CR-IR 362 Service Manual

Troubleshooting (MT)

Control Sheet

Issue date	Revision number	Reason	Pages affected
08.25.2003	01	Corrections (FM4098)	All pages
10.10.2003	02	Corrections (FM4160)	2-5, 8, 14, 16, 25, 27-30, 33-38, 44-46, 50-53, 58, 59, 59.1, 59.2, 60-73, 75, 76, 78, 79, 81-83, 85, 86, 88-113, 113.1, 113.2, 114-118, 120-122, 124-133, 135, 136, 138-142, 145, 148, 151, 154, 157, 160, 163, 166, 169, 172, 174.1-174.4, 175-190, 190.1, 190.2, 191-197, 199, 201-204, 206-209, 209.1, 209.2, 211, 212, 214-216, 218, 234, 240-257
11.15.2004	04	Corrections (FM4425)	2, 11, 13, 14, 16-18, 20, 22-39, 41, 42, 45, 46, 51-53, 59-309, Appx MT-1-12
05.09.2005	05	Corrections (FM4610)	11, 44, 48–50, 76
02.19.2007	07	Change of document number (FM5097)	All pages
09.30.2008	08	Revision (FM5340)	25, 28-32, 34, 37, 47, 55, 131, 254-310, Appx MT-12-20
09.30.2009	09E	Revision (FM5539)	263

2. Error Code Table

Error Code	Error Name	Occurrence Condition	Analysis Flow
10001	File open error (1)	During bootup, when the file is loaded from the FLASH ROM on the IMG17A/IMG17B board into the SD RAM, error is detected for the file residing in the FLASH ROM. Alternatively, an error is detected for the file residing in the SD RAM.	☞ {MT:18.}
10002	File read error (1)	During bootup, when the file is loaded from the FLASH ROM on the IMG17A/IMG17B board into the SD RAM, error is detected for the file residing in the FLASH ROM. Alternatively, an error is detected for the file residing in the SD RAM.	☞ {MT:18.}
10003	File format error (1)	During bootup, when the file is loaded from the FLASH ROM on the IMG17A/IMG17B board into the SD RAM, error is detected for the file residing in the FLASH ROM. Alternatively, an error is detected for the file residing in the SD RAM.	☞ {MT:18.}
10004	File write error (1)	During bootup, when the file is loaded from the FLASH ROM on the IMG17A/IMG17B board into the SD RAM, error is detected for the file residing in the FLASH ROM. Alternatively, an error is detected for the file residing in the SD RAM.	☞ {MT:18.}
10005	File close error (1)	During bootup, when the file is loaded from the FLASH ROM on the IMG17A/IMG17B board into the SD RAM, error is detected for the file residing in the FLASH ROM. Alternatively, an error is detected for the file residing in the SD RAM.	☞ {MT:18.}
10010	File open error (2)	During bootup, when the file is loaded from the FLASH ROM on the IMG17A/IMG17B board into the SD RAM, error is detected for the file residing in the FLASH ROM. Alternatively, an error is detected for the file residing in the SD RAM.	☞ {MT:18.}
10011	File read error (2)	During bootup, when the file is loaded from the FLASH ROM on the IMG17A/IMG17B board into the SD RAM, error is detected for the file residing in the FLASH ROM. Alternatively, an error is detected for the file residing in the SD RAM.	☞ {MT:18.}
10012	File format error (2)	During bootup, when the file is loaded from the FLASH ROM on the IMG17A/IMG17B board into the SD RAM, error is detected for the file residing in the FLASH ROM. Alternatively, an error is detected for the file residing in the SD RAM.	☞ {MT:18.}
10013	File write error (2)	During bootup, when the file is loaded from the FLASH ROM on the IMG17A/IMG17B board into the SD RAM, error is detected for the file residing in the FLASH ROM. Alternatively, an error is detected for the file residing in the SD RAM.	☞ {MT:18.}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10014	File close error (2)	During bootup, when the file is loaded from the FLASH ROM on the IMG17A/IMG17B board into the SD RAM, error is detected for the file residing in the FLASH ROM. Alternatively, an error is detected for the file residing in the SD RAM.	☞ {MT:18.}
10060	Device open error	When an attempt is made to operate a motor or the like during bootup or routine processing, the specified device cannot be opened.	☞ {MT:18.}
10061	Barcode reader communication error	During bootup or during routine processing, communication error occurs between the CPU91A board and barcode reader (BCR), so that communication cannot be established.	☞ {MT:18.}
10062	Scanner BUSY confirmation timeout	During bootup or during routine processing, the status of the scanner board is checked before sending a command from the CPU91A board to the scanner board (SCN17A/SCT17B), but it is in BUSY state.	☞ {MT:18.}
10063	Scanner command timeout	During bootup and routine processing, a timeout occurs for communication between the main CPU (CPU91A board) and scanner H8CPU (SCN17A/SCT17B board).	☞ {MT:18.}
10064	"CPU-SCN" command retry over	During bootup or during routine processing, a command is sent from the CPU91A board to the SCN17A/SCT17B board, but a retry-over occurs.(Retry; three times)	☞ {MT:4.43}
10065	Image processing CPU error during operation	During routine processing, because the data sent from the "IMG17A/B board: sub-CPU" has an insufficient or excess number of pixels, the software performs processing to supplement or cut the insufficient or excess number of pixels in the line direction.	☞ {MT:18.}
10066	IMG board type error	During bootup, an invalid IMG board is detected. (IMG17A board is installed in CR-IR363.) <Action> Check the IMG board. Mount the IMG17B board if a different board has been mounted.	-
10067	Image processing CPU type error	An out-of-definition version is detected in the image processing CPU of the IMG17A/IMG17B board during bootup.	-
10070	Socket error	Various types of error occur for the socket communication which is used to establish a network connection between the RU and CL	☞ {MT:14.}
10090	FLASH-ROM access error	During bootup or during Maintenance Utility, the FLASH ROM on the IMG17A/IMA17B board is accessed, but error is detected.	☞ {MT:18.}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10100	Image processing initialization error	During bootup or during routine processing, when an attempt is made to initialize the image processing section of the IMG board, 12101 error is detected. Because it is detected three or more times, fatal error results.	☞ {MT:18.}
10120	Image processing CPU sequence error	During IP read processing, an attempt is made to activate the sub-CPU (image processing section) of the IMG board, but 12101 error is detected three times or more, so that fatal error results.	☞ {MT:18.}
10230	Scanner functional error	During bootup or during routine processing, because the connector (CN1 on the PMT17A/PMR17B board, CNZ31 on the scanning optics unit, CNZ32 on the scanning optics unit, CN1 on the SYN12A board, CN1 on the LDD17B board) is disconnected, the laser (LDD), start-point detection (SYN), and photomultiplier (PMT/PMR) functions are disabled. Because the laser is not enabled, the leading-edge detection (SED) cannot be performed (detail code: D0E503). Note that if the HV is OFF, the detail code is D0E403.	☞ {MT:5.1}
10231	Scanner power supply error (1)	During bootup or during routine processing, because +15V is not supplied to the SCN17A/SCT17B board due to blow of the fuse (G011 on the SCNS17A/CT17B board) or +15V power supply error, most of the functions, except for the polygonal mirror (POL) and laser (LDD), are disabled (detail code: A00300). Note that if the HV is OFF, the detail code is A00000.	☞ {MT:5.2}
10232	Scanner power supply error (2)	During bootup or during routine processing, because the fuse (G011 and G041 on the SCN17A/SCT17B board) is blown, the photomultiplier (PMT/PMR) and start-point detection (SYN) functions are disabled (detail code: 809500). Note that if the HV is OFF, the detail code is 808400.	☞ {MT:5.3}
10233	Scanner power supply error (3)	During bootup or during routine processing, because the fuse (H011 on the SCN17A/SCT17B board) is blown or because -15V is not supplied to the SCN17A/SCT17B board, the photomultiplier (PMT/PMR), start-point detection (SYN), and laser (LDD) functions are disabled. Because the laser (LDD) is not enabled, the leading-edge detection (SED) cannot be performed (detail code: A00300).	☞ {MT:5.4}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10234	Scanner power supply error (4)	- During bootup or during routine processing, because the fuse (H011 on the SCN17A/SCT17B board) is blown, ± 15V is not supplied to the SCN17A/SCT17B board, and the photomultiplier (PMT/PMR), start-point detection (SYN), laser (LDD), and SCN board (PLL) functions are disabled. Because the laser (LDD) is not enabled, the leading-edge detection (SED) cannot be performed (detail code: A00303). Note that if the HV is OFF, the detail code is A00003. - During bootup, all the fuses except for the fuse (G04 on the SCN17A/SCT17B board) are blown, ±15V is not supplied to the SCN17A/SCT17B board, and the photomultiplier (PMT/PMR), start-point detection (SYN), laser (LDD), and SCN board (PLL) functions are disabled. Because the laser (LDD) is not enabled, the leading-edge detection (SED) cannot be performed (detail code: B00300). Note that if the HV is OFF, the detail code is B00000.	☞ {MT:5.5}
10235	Scanner power supply error (5)	- During bootup or during routine processing, because +24V is not supplied to the SCN17A/SCT17B board due to blow of the fuse (J011 on the SCN17A/SCT17B board) or +24V (SLOT-J) power supply error, the polygonal mirror (POL) function is disabled (detail code: 902403). Note that if the HV is OFF, the detail code is 903403. - During bootup or during routine processing, because +5V is not supplied to the SYN12A board and SED17A board due to blow of the fuse (A061 or G021 on the SCN17A/SCT17B board) or +5V (SLOT-A) power supply error, the leading-edge detection (SED) and start-point detection (SYN) functions are disabled (detail code: C01400).	☞ {MT:5.6}
10236	Scanner power supply error (6)	During bootup or during routine processing, because ±15V is not supplied to the SYN12A board, PMT17A/PMR17B board, and LDD12A board due to blow of the fuses (G011 and H011 on the SCN17A/SCT17B board), the photomultiplier (PMT/PMR), start-point detection (SYN), and laser (LDD) functions are disabled. Because the laser (LDD) is not enabled, the leading-edge detection (SED) cannot be performed (detail code: 80D500). Note that if the HV is OFF, the detail code is 80D400.	☞ {MT:5.3}
10244	Scanner control board error (4)	During bootup, an SCN17A/SCT17B board diagnostic error associated with polygon error is detected. Because the PLL on the SCN17A/SCT17B board does not oscillate, a polygon sync signal cannot be detected.	☞ {MT:5.8}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10261	Polygon rotation error (1)	During bootup, error for the polygon lock signal (PONL, POKL) is detected so that the polygonal mirror function is disabled. The start-point detection (SYN) and leading-edge detection (SED) functions are also disabled (detail code: 903403, 003400, 902403).	☞ {MT:5.8}
10271	Laser unlit error (1)	During bootup, the laser (LDD) and start-point detection (SYN) functions are disabled due to blow of the fuse (G011 and H011 on the SCN17A/SCT17B board) or laser failure (detail code: 805413, C05413, 00503).	☞ {MT:5.9}
10281	Start-point detection error (1)	During routine processing or during self-diagnostics, because the signal from the start-point detection (SYN) is faulty, the SCN17A/SCT17B board does not operate normally (detail code: 801C03).	☞ {MT:5.10}
10283	Scanning optics unit board error (1)	For self-diagnostics prior to reading during routine processing, the SCN17A/SCN17BA board diagnostic error associated with polygon error is detected. The laser is unlit due to a disconnected connector at the scanning optics unit, etc., so that an error related to the polygon error occurs, as well.	☞ {MT:5.8}
10293	Printed board type error	During bootup, an invalid SCN board type is detected. (SCN17A board is installed in CR-IR363.) <Action> Check the scanner board. Mount the SCT17B board if a different board has been mounted.	-
10294	H8 CPU version error	During bootup, an invalid H8CPU version on the SCN17A/SCT17B is detected.	☞ {MT:5.15}
10298	Scanner retry error	During bootup, because the scanner-related error is detected, the IP is returned to the cassette and the scanner is initialized. The routine processing is retried again, but the scanner-related error recurs.	☞ {MT:5.11}
10343	IP barcode reading retry error (2)	During routine processing, the IP transport motor (MB2, MC3) is driven for barcode reading retry operation (return conveyance), but the side-positioning entrance IP sensor (SG1) does not transition to CLOSE within the specified period of time.	☞ {MT:4.1}
10344	IP barcode reading retry error (1)	During routine processing, the IP transport motor (MC3) is driven for barcode reading retry operation, but the side-positioning IP sensor (SC3) does not transition to CLOSE within the specified period of time.	☞ {MT:4.1}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10346	Side-positioning unit IP conveyance error	During routine processing, the IP transport motor (MC3) is driven for IP side-positioning conveyance, but the side-positioning IP sensor (SC3) does not transition to CLOSE within the specified period of time.	☞ {MT:4.1}
10347	Subscanning unit IP leading-edge detection error	During routine processing excluding "secondary erasure," the subscanning motor (MZ1) is driven, but the IP leading-edge sensor (SZ1) does not transition to CLOSE within the specified period of time.	☞ {MT:4.2}
10348	Subscanning unit IP ejection error (1)	During routine processing excluding "secondary erasure," the subscanning motor (MZ1) is driven, but the post-reading conveyance IP sensor (SD2) does not transition to CLOSE within the specified period of time.	☞ {MT:4.2}
10349	Side-positioning unit IP ejection error (2)	During secondary erasure processing, the IP transport motor (MC3, MD2) and subscanning motor (MZ1) are driven to read the IP after IP side-positioning, but the side-positioning IP sensor (SC3) does not transition to OPEN within the specified period of time.	☞ {MT:4.3}
10350	Erasure unit entrance IP sensor status error (1)	During bootup/routine processing, the IP transport motor (MD2, ME1) is driven to convey the IP to the erasure conveyor unit after the IP is read; however, the CLOSE state of the switchback standby IP sensor (SE2) is detected before the post-reading conveyance standby IP sensor (SE1) transitions to CLOSE.	☞ {MT:4.4}
10351	Erasure unit entrance IP sensor status error (2)	During bootup/routine processing, the IP transport motor (MD2, ME1) is driven to convey the IP to the erasure conveyor unit after the IP is read, and the switchback standby IP sensor (SE2) transitions to CLOSE; however, after the MD2, ME1 stops, the post-reading conveyance standby IP sensor (SE1) does not transition to CLOSE, so that the system goes down.	☞ {MT:4.4}
10352	Post-reading conveyor unit IP ejection error (1)	During bootup/routine processing, the IP transport motor (MD2, ME1) is driven to convey the IP to the erasure conveyor unit after the IP is read; however, the post-reading conveyance standby IP sensor (SE1) does not transition to CLOSE within the specified period of time.	☞ {MT:4.4}
10353	Post-reading conveyor unit IP ejection error (2)	During bootup/routine processing, the IP transport motor (MD2, ME1) is driven to convey the IP to the erasure conveyor unit after the IP is read; however, the post-reading conveyance standby IP sensor (SE1) does not transition to OPEN within the specified period of time.	☞ {MT:4.4}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10354	Switchback unit IP conveyance error (1)	During bootup/routine processing, the branch path changeover guide drive solenoid (SOLE1) and IP transport motor (ME1) are driven for IP switchback operation, but the CLOSE state of the post-reading conveyance standby IP sensor (SE1) is detected.	☞ {MT:4.5}
10355	Switchback unit IP conveyance error (2)	During routine processing, the IP transport motor (ME1) is driven for IP switchback operation, but the CLOSE state of the post-reading conveyance standby IP sensor (SE1) is detected before the switchback standby IP sensor (SE2) transitions to OPEN.	☞ {MT:4.5}
10356	Switchback unit IP conveyance error (3)	During routine processing, the IP erasure processing conveyance ends by driving the IP conveyance motor (ME1), however, the CLOSE of the switchback standby IP sensor (SE2) is detected, so that the system goes down.	☞ {MT:4.27}
10357	into Erasure unit IP transporting retry error	Although the IP transport motor (ME1) operation was retried three times for IP conveyance (erasure conveyor) during routine processing, the switchback standby IP sensor (SE2) was closed because the IP did not pass the sensor within the specified time.	☞ {MT:4.27}
10358	Erasure unit IP ejection error	During routine processing, the IP transport motor (ME1) is driven to convey the IP to the feed/load conveyor unit, but the pre-convergence IP sensor (SB6) does not transition to CLOSE within the specified period of time.	☞ {MT:4.27}
10359	Post-erasure feed/load unit IP conveyance error (1)	During bootup/routine processing, the IP transport motor (ME1, MB1, MB2) is driven to convey the IP to the cassette after the IP is erased; however, the pre-BCR IP sensor (SB5) does not transition to CLOSE within the specified period of time.	☞ {MT:4.6}
10360	Load IP conveyance error (1)	During bootup/routine processing, the IP transport motor (ME1, MB1, MB2) is driven to convey the IP to the cassette after the IP is erased, and the pre-BCR sensor (SB5) transitions to CLOSE; however, the IP feed/load sensor (SB1/2/3/4) for the shelf of interest does not transition to CLOSE within the specified period of time.	☞ {MT:4.6}
10361	Post-erasure path guide status error (1)	During bootup/routine processing, the IP transport motor (ME1, MB1, MB2) is driven to eject the IP to the cassette after the IP is erased; however, the IP feed/load sensor (SB1/2/3/4) transitions to CLOSE before the CLOSE state of the pre-BCR IP sensor (SB5) is detected.	☞ {MT:4.6}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10362	Post-erasure path guide status error (2)	During bootup/routine processing, the IP transport motor (ME1, MB1, MB2) is driven to convey the IP to the cassette after the IP is erased, and the pre-BCR IP sensor (SB5) transitions to CLOSE; however, the IP feed/load sensor (SB1/2/3/4) for other than the shelf of interest transitions to CLOSE.	☞ {MT:4.6}
10363	Load IP conveyance error (4)	During bootup/routine processing, the IP transport motor (ME1, MB1, MB2) is driven to convey the IP to the feed/load conveyor unit after the IP is erased; however, the pre-BCR IP sensor (SB5) does not transition to OPEN within the specified period of time.	☞ {MT:4.6}
10364	Load IP conveyance error (2)	During bootup/routine processing/abnormality processing, the IP transport motor (MB1, MB2) is driven to convey the IP to the cassette; however, the IP feed/load sensor (SB1/2/3/4) for the shelf of interest does not transition to OPEN within the specified period of time.	☞ {MT:4.6}
10365	Load IP conveyance error (3)	During abnormality processing, the IP transport motor (MB1, MB2, MC3) is driven to eject the IP to the cassette; however, the IP feed/load sensor (SB1/2/3/4) does not transition to OPEN within the specified period of time.	☞ {MT:4.6}
10369	Path guide HP detection error	During bootup/routine processing/M-Utility, the convergence path changeover guide drive motor (MB3) is driven to perform home-positioning of the path changeover guide (feed/load conveyor unit); however, the path changeover shelf sensor (SB7/8/9) and path changeover HP sensor (SB11) do not transition to CLOSE within the specified period of time, resulting in a retry (twice or more).	☞ {MT:4.7}
10371	Path guide changeover detection error	During bootup/routine processing/M-Utility, the convergence path changeover guide drive motor (MB3) is driven to perform path changeover operation (feed/load conveyor unit); however, the path changeover shelf sensor (SB7/8/9) and path changeover HP sensor (SB11) do not transition to CLOSE within the specified period of time.	☞ {MT:4.7}
10372	Convergence path guide HP positioning error	During bootup/routine processing/M-Utility, the convergence path changeover guide drive motor (MB3) is driven to perform path changeover operation (feed/load conveyor unit) after IP erasure; however, the convergence path changeover sensor (SB10) does not transition to CLOSE within the specified period of time.	☞ {MT:4.44}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10374	Side-positioning unit grip HP detection error	During bootup/M-Utility, the grip release motor (MC2) is driven to perform grip home-positioning of the side-positioning conveyor unit; however, the OPEN or CLOSE of the grip release HP sensor (SC2) is not detected. After two retries are executed, this is not detected, so that the system goes down.	☞ {MT:4.8}
10378	Post-reading conveyor unit grip HP detection error	During bootup/M-Utility, the grip release motor (MD1) is driven to perform grip home-positioning of the post-reading conveyor unit; however, the OPEN or CLOSE of the grip release HP sensor (SD1) is not detected. After two retries are executed, this is not detected, so that the system goes down.	☞ {MT:4.9}
10382	Erasure unit grip HP detection error	During bootup/M-Utility, the grip release motor (ME3) is driven to perform grip home-positioning of the erasure conveyor unit; however, the OPEN or CLOSE of the grip release HP sensor (SE5) is not detected. After two retries are executed, this is not detected, so that the system goes down.	☞ {MT:4.10}
10386	Side-positioning unit side-positioning mechanism HP detection error	During bootup/routine processing/M-Utility, the side-positioning motor (MC1) is driven to perform side-positioning mechanism home-positioning of the side-positioning conveyor unit; however, the OPEN or CLOSE of the side-positioning mechanism HP sensor (SC1) is not detected. After two retries are executed, this is not detected, so that the system goes down.	☞ {MT:4.11}
10390	Erasure unit side-positioning mechanism HP detection error	During bootup/routine processing/M-Utility, the side-positioning motor (ME2) is driven to perform side-positioning mechanism home-positioning of the erasure conveyor unit; however, the OPEN or CLOSE of the side-positioning mechanism HP sensor (SE4) is not detected. After two retries are executed, this is not detected, so that the system goes down.	☞ {MT:4.33}
10394	Suction cup HP detection error	During bootup/routine processing/M-Utility, the suction cup drive motor (MA1/2/3/4) is driven to perform suction cup home-positioning; however, the OPEN or CLOSE of .the suction cup HP sensor (SA4/10/16/22) is not detected. After two retries are executed, this is not detected, so that the system goes down.	☞ {MT:4.12}
10398	Cleaning guide HP detection error	During bootup/M-Utility, the cleaning guide drive motor (MC4) is driven to perform home-positioning of the cleaning guide; however, the OPEN or CLOSE of the cleaning guide HP sensor (SC4) is not detected. After two retries are executed, this is not detected, so that the system goes down.	☞ {MT:4.13}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10403	IP stopper HP detection error	During bootup/M-Utility, the IP stopper drive motor (MZ4) is driven to perform home-positioning of the IP stopper; however, the OPEN or CLOSE of the IP stopper HP sensor (SZ5) is not detected. After two retries are executed, this is not detected, so that the system goes down.	☞ {MT:4.14}
10406	IP stopper protrusion error	During bootup/routine processing/M-Utility, the IP stopper drive motor (MZ4) is stopped to protrude the IP stopper; however, the OPEN or CLOSE of the IP stopper HP sensor (SZ5) is not detected. After two retries are executed, this is not detected, so that the system goes down.	☞ {MT:4.14}
10410	Driving-shaft grip release error	During routine processing/M-Utility, the grip drive motor (MZ2) is driven to perform grip release operation for the driving shaft; however, the driving-side grip release HP sensor (SZ2) does not transition to CLOSE within the specified period of time.	☞ {MT:4.15}
10411	Driving-shaft grip error	During routine processing/M-Utility except for secondary erasure, the grip drive motor (MZ2) is driven to perform grip operation for the driving shaft; however, the driving-side grip release HP sensor (SZ2) does not transition to OPEN within the specified period of time.	☞ {MT:4.15}
10412	Driving-shaft fast grip error	During routine processing/M-Utility, the grip drive motor (MZ2) is driven at high speed to perform grip operation for the driving shaft; however, the driving-side grip release HP sensor (SZ2) does not transition to OPEN within the specified period of time.	☞ {MT:4.15}
10413	Driven-shaft grip release error	During routine processing/M-Utility except for secondary erasure, the grip drive motor (MZ2) is driven at high speed to perform grip release operation for the driven shaft; however, the driven-side grip release HP sensor (SZ3) does not transition to OPEN within the specified period of time.	☞ {MT:4.15}
10414	Driven-shaft grip error	During routine processing/M-Utility, the grip drive motor (MZ2) is driven to perform grip release operation for the driven shaft; however, the driven-side grip release HP sensor (SZ3) does not transition to CLOSE within the specified period of time.	☞ {MT:4.15}
10415	Driven-shaft fast grip release error	During secondary erasure/M-Utility, the grip drive motor (MZ2) is driven at high speed to perform grip release operation for the driven shaft; however, the driven-side grip release HP sensor (SZ3) does not transition to OPEN within the specified period of time.	☞ {MT:4.15}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10416	Driving-shaft grip correction error (4)	For the correction processing during bootup/at the end of reading, the grip drive motor (MZ2) is driven to correct the grip speed of the driving shaft for the GR type; however, the driving-side grip release HP sensor (SZ2) does not transition to OPEN within the specified period of time. After three times or more grip speed correction are executed, SZ2 does not transition to OPEN within the specified period of time, so that the system goes down.	☞ {MT:4.15}
10417	Driving-shaft grip correction error (1)	For the correction processing during bootup/at the end of reading, the grip drive motor (MZ2) is driven to correct the grip speed of the driving shaft for the ST type; however, the driving-side grip release HP sensor (SZ2) does not transition to OPEN within the specified period of time. Alternatively, the MZ2 does not transition to the interlocked state, then three times or more grip speed correction are executed, however, SZ2 does not transition to OPEN within the specified period of time, so that the system goes down.	☞ {MT:4.15}
10418	Driving-shaft grip correction error (2)	For the correction processing during bootup/at the end of reading, the grip drive motor (MZ2) is driven to correct the grip speed of the driving shaft for the HR single-side type; however, the driving-side grip release HP sensor (SZ2) does not transition to OPEN within the specified period of time. Alternatively, the MZ2 does not transition to the interlocked state, then three times or more grip speed correction are executed, however, SZ2 does not transition to OPEN within the specified period of time, so that the system goes down.	☞ {MT:4.15}
10419	Driving-shaft grip correction error (3)	For the correction processing during bootup/at the end of reading, the grip drive motor (MZ2) is driven to correct the grip speed of the driving shaft for the HR both-side type; however, the driving-side grip release HP sensor (SZ2) does not transition to OPEN within the specified period of time. Alternatively, the MZ2 does not transition to the interlocked state, then three times or more grip speed correction are executed, however, SZ2 does not transition to OPEN within the specified period of time, so that the system goes down.	☞ {MT:4.15}
10420	IP-initialization IP search error (1)	During bootup, two or more sensors of the IP feed/load sensors (SB1/2/3/4) are CLOSE for the remaining IP search processing, so that the system goes down. Several IPs are detected at the cassette set unit.	☞ {MT:4.16}
10421	IP-initialization IP search error (2)	During bootup, two or more sensors of the path changeover HP sensor (SB11) and path changeover shelf sensor (SB7/8/9) are CLOSE for the remaining IP search processing.	☞ {MT:4.7}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10422	IP-initialization IP search error (3)	During bootup, the pre-convergence IP sensor (SB6) and side-positioning entrance IP sensor (SG1) are CLOSE, and the post-reading conveyance standby IP sensor (SE1) or switchback standby IP sensor (SE2) is CLOSE for the remaining IP search processing. There are three or more IPs in the machine.	☞ {MT:4.16}
10425	IP-initialization IP search error (1)	During bootup, when the presence of the cassette is checked, the IP is detected at the cassette set unit, but no cassette is present at the cassette set unit. Additionally, the hold pin (SOLA1/2/3/4: ON) is not lowered.	☞ {MT:4.16}
10426	Initialization remaining IP ejection error	During bootup, the IP is detected, one by one, at the feed/load conveyor unit, erasure conveyor unit, and side-positioning conveyor unit for the remaining IP search.	☞ {MT:4.16}
10430	Dust removal HP detection error (1) (CCW)	During bootup, the dust removal motor (MZ3) is driven (counterclockwise) to perform home-positioning of the dust removal mechanism; however, the dust removal HP sensor (SZ4) does not transition from CLOSE to OPEN to CLOSE. After the retries (four times) are executed, the transition of SZ4 is not detected, so that the system goes down.	☞ {MT:4.17}
10431	Dust removal HP detection error (2) (CCW)	During bootup, the dust removal motor (MZ3) is driven (counterclockwise) to perform home-positioning of the dust removal mechanism; however, the dust removal HP sensor (SZ4) does not transition to OPEN within the specified period of time.	☞ {MT:4.17}
10432	Dust removal HP detection error (3) (CW)	During bootup, the dust removal motor (MZ3) is driven (clockwise) to perform home-positioning of the dust removal mechanism; however, the dust removal HP sensor (SZ4) does not transition to CLOSE within the specified period of time.	☞ {MT:4.17}
10433	Dust removal HP detection error (4) (CW)	During bootup, the dust removal motor (MZ3) is driven (clockwise) to perform home-positioning of the dust removal mechanism; however, the dust removal HP sensor (SZ4) does not transition to OPEN within the specified period of time.	☞ {MT:4.17}
10434	Dust removal HP detection error (5) (CW)	During bootup, the dust removal motor (MZ3) is driven (clockwise) to perform home-positioning of the dust removal mechanism; however, the dust removal HP sensor (SZ4) does not transition to CLOSE within the specified period of time.	☞ {MT:4.17}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10435	Dust removal operation error (1)	During M-Utility, the dust removal motor (MZ3) is driven (clockwise) to perform dust removal operation; however, the dust removal HP sensor (SZ4) does not transition to CLOSE within the specified period of time.	☞ {MT:4.17}
10436	Dust removal operation error (2)	During M-Utility, the dust removal motor (MZ3) is driven (clockwise) to perform dust removal operation; however, the dust removal HP sensor (SZ4) does not transition to OPEN within the specified period of time.	☞ {MT:4.17}
10437	Dust removal operation error (3)	During M-Utility, the dust removal motor (MZ3) is driven (counterclockwise) to perform dust removal operation; however, the dust removal HP sensor (SZ4) does not transition to CLOSE within the specified period of time.	☞ {MT:4.17}
10438	Dust removal operation error (4)	During M-Utility, the dust removal motor (MZ3) is driven (counterclockwise) to perform dust removal operation; however, the dust removal HP sensor (SZ4) does not transition to OPEN within the specified period of time.	☞ {MT:4.17}
10439	Dust removal operation error (5)	During routine processing, the IP stopper drive motor (MZ4) is driven (clockwise) to perform the system shutdown processing; however, the dust removal HP sensor (SZ4) does not transition to CLOSE within the specified period of time.	☞ {MT:4.42}
10440	Initialization convergence path IP conveyance error (1)	During bootup, the IP transport motor (MB1, MB2, MC3) is driven to perform the remaining IP search processing; however, the side-positioning entrance IP sensor (SG1) and pre-convergence IP sensor (SB6) do not transition to OPEN within the specified period of time.	☞ {MT:4.18}
10441	Initialization convergence path IP conveyance error (2)	During bootup, the IP transport motor (MB1, MB2, ME1) is driven to perform the remaining IP search processing; however, the side-positioning entrance IP sensor (SG1) does not transition to CLOSE within the specified period of time. Alternatively, the pre-BCR IP sensor (SB5) and pre-convergence IP sensor (SB6) do not transition to OPEN within the specified period of time.	☞ {MT:4.18}
10442	Initialization convergence path IP conveyance error (3)	During bootup, the IP transport motor (MB1, MB2, MC3) is driven to perform the remaining IP search processing; however, the side-positioning entrance IP sensor (SG1) and pre-BCR IP sensor (SB5) do not transition to OPEN within the specified period of time. Alternatively, the pre-convergence IP sensor (SB6) does not transition to CLOSE within the specified period of time.	☞ {MT:4.18}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10443	Initialization feed path IP conveyance error (1) (UP)	During bootup, the IP transport motor (MB1, MB2) is driven to perform the remaining IP search processing; however, the pre-BCR IP sensor (SB5) does not transition to OPEN within the specified period of time.	☞ {MT:4.18}
10444	Initialization feed path IP conveyance error (2) (DOWN)	During bootup, the IP transport motor (MB1, MB2) is driven to perform the remaining IP search processing; however, the pre-BCR IP sensor (SB5) does not transition to CLOSE within the specified period of time.	☞ {MT:4.18}
10445	Initialization feed entrance IP conveyance error (1) (DOWN)	During bootup, the IP transport motor (MB1, MB2, MC3) is driven to perform the remaining IP search processing; however, the IP feed/load sensor (SB1/2/3/4) does not transition to OPEN within the specified period of time.	☞ {MT:4.18}
10446	Initialization feed entrance IP conveyance error (2) (DOWN)	During bootup, the IP transport motor (MB1, MB2, ME1) is driven to perform the remaining IP search processing; however, the IP feed/load sensor (SB1/2/3/4) does not transition to OPEN within the specified period of time. (When the IP in the feed/load conveyor unit is moved into the side-positioning conveyor unit.)	☞ {MT:4.18}
10447	Initialization side-positioning unit IP conveyance error (1) (DOWN)	During bootup, the IP transport motor (MB1, MB2, MC3) is driven in the direction of subscanning conveyance to perform the remaining IP search processing; however, the side-positioning entrance IP sensor (SG1) does not transition to OPEN within the specified period of time.	☞ {MT:4.18}
10448	Initialization side-positioning unit IP conveyance error (2) (UP)	During bootup, the IP transport motor (MC3) is driven in the direction of feed/load conveyor unit to perform the remaining IP search processing; however, the side-positioning entrance IP sensor (SG1) does not transition to CLOSE within the specified period of time.	☞ {MT:4.19}
10449	Initialization side-positioning unit IP conveyance error (3) (UP)	During bootup, the IP transport motor (MC3) and subscanning motor (MZ1) are driven to perform the remaining IP search processing; however, the side-positioning entrance IP sensor (SG1) does not transition to CLOSE within the specified period of time.	☞ {MT:4.19}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10450	Initialization side-positioning unit IP conveyance error (4) (UP)	During bootup, the IP transport motor (MC3) and subscanning motor (MZ1) are driven to perform the remaining IP search processing; however, the side-positioning entrance IP sensor (SG1) does not transition to CLOSE within the specified period of time. (In the case that the IP is detected in the side-positioning unit for the subscanning conveyor unit processing.)	☞ {MT:4.19}
10451	Initialization erasure unit IP ejection error (1)	During bootup, the IP transport motor (MB1, MB2, ME1) is driven to perform the remaining IP search processing; however, the pre-convergence IP sensor (SB6) does not transition to OPEN within the specified period of time.	☞ {MT:4.20}
10452	Initialization erasure unit IP ejection error (2)	During bootup, the IP transport motor (ME1) is driven to perform the remaining IP search processing; however, the pre-convergence IP sensor (SB6) does not transition to CLOSE within the specified period of time.	☞ {MT:4.20}
10453	Initialization erasure unit IP conveyance error	During bootup, the IP transport motor (MD2, ME1) is driven at low speed to perform the remaining IP search processing; however, the post-reading conveyance standby IP sensor (SE1) does not transition to OPEN within the specified period of time.	☞ {MT:4.34}
10454	Initialization post-reading conveyor unit IP ejection error (1) (UP)	During bootup, the IP transport motor (MD2) is driven to perform the remaining IP search processing; however, the post-reading conveyance IP sensor (SD2) does not transition to OPEN within the specified period of time. (In the case that the IP is detected in the post-reading conveyor unit also, during the IP search processing in the subscanning unit.)	☞ {MT:4.35}
10455	Initialization post-reading conveyor unit IP ejection error (2) (UP)	During bootup, the IP transport motor (MD2) and subscanning motor (MZ1) are driven to perform the remaining IP search processing; however, the post-reading conveyance IP sensor (SD2) does not transition to OPEN within the specified period of time.	☞ {MT:4.35}
10456	Initialization post-reading conveyor unit IP ejection error (3) (DOWN)	During bootup, the IP transport motor (MD2) is driven to perform the remaining IP search processing; however, the post-reading conveyance IP sensor (SD2) does not transition to CLOSE within the specified period of time.	☞ {MT:4.35}
10457	Initialization subscanning unit IP ejection error (1)	During bootup, the IP transport motor (MD2) and subscanning motor (MZ1) are driven to perform the remaining IP search processing; however, the post-reading conveyance IP sensor (SD2) does not transition to OPEN within the specified period of time.	☞ {MT:4.35}

Error Code	Error Name	Occurrence Condition	Analysis Flow
10458	Initialization subscanning unit IP ejection error (2)	During bootup, the IP transport motor (MC3) is driven to perform the remaining IP search processing; however, the post-reading conveyance IP sensor (SD2) does not transition to OPEN within the specified period of time.	☞ {MT:4.35}
10459	Initialization IP position information error	During bootup, the CMOS information of the machine (IP found) does not coincide with the remaining IP search processing result (IP not found) so that the system goes down by user selection.	☞ {MT:4.36}
10460	Initialization IP load conveyance error (1)	During bootup, when an IP is loaded into the cassette, the IP feed/load sensor (SB1/2/3/4) on the shelf of interest does not transition to OPEN within the specified period of time.	☞ {MT:4.6}
10461	Initialization IP load conveyance error (2)	During bootup, when an IP is loaded into the cassette from the erasure conveyor unit, the pre-BCR IP sensor (SB5) does not transition to CLOSE within the specified period of time.	☞ {MT:4.6}
10462	Initialization IP load conveyance error (3)	During bootup, when an IP is loaded into the cassette from the erasure conveyor unit, the IP feed/load sensor (SB1/2/3/4) does not transition to OPEN within the specified period of time.	☞ {MT:4.6}
10463	Forbidden response from Start-Read command CL	Operation is interrupted as the forbidden response is received from the CL while the RU is retrying to read and convey. Processing is interrupted as the forbidden response is received from the CL although the Start-Read command was transmitted from the RU.	-
10694	Back-side H8 CPU version error	During bootup, an invalid H8 CPU version on the SCT17B is detected.	☞ {MT:18.}
10700	SDRAM test error	During bootup, the SDRAM, or main memory of the CPU91A board, is tested, and a retry is executed twice, but error is detected.	☞ {MT:18.}
10799	CPU bus error	During bootup or during routine processing, a bus error for the main CPU on the CPU91A board is detected.	☞ {MT:18.}
11200	Initialization HV-OFF status	During bootup, HV(high voltage) on PMT17A/PMR17B board is OFF.	☞ {MT:13.}
11273	Laser life warning	During bootup, the laser drive current value (LDIF) is more than 1.4 times the factory default value.	☞ {MT:5.15}
11287	Image data variation or image signal connector error during bootup	An abnormal virtual data change was detected when the virtual data transfer diagnostics was conducted for bootup. In the virtual data transfer diagnostics for bootup, an abnormal virtual data change, disconnected image signal connector, or erroneous connector connection was detected.	☞ {MT:5.17}

Error Code	Error Name	Occurrence Condition	Analysis Flow
11320	Cassette setting status error (1)	<User operation> After the cassette is loaded, the cassette is pulled out immediately. <Occurrence condition> During routine processing/M-Utility, the cassette hold solenoid (SOLA1/2/3/4) is turned OFF to hold the cassette, and the cassette hold sensor (SA3/9/15/21) detects the OPEN state; however, the cassette IN sensor (SA2/8/14/20) detects the OPEN state.	☞ {MT:4.21}
11321	Cassette setting status error (2)	During routine processing/M-Utility, the cassette hold solenoid (SOLA1/2/3/4) is turned OFF to hold the cassette, and the hold pin protrudes; however, the cassette hold sensor (SA3/9/15/21) does not transition to OPEN. Though the retries (twice or more) are executed, the cassette is not held. (A message is notified.)	☞ {MT:4.37}
11322	Cassette setting status error (3)	During bootup/routine processing/M-Utility, the OPEN state of the cassette IN sensor (SA2/8/14/20) is detected for the sensor check processing just before the IP is sucked after cassette loading.	☞ {MT:4.21}
11323	Cassette setting status error (4)	During routine processing/M-Utility, the CLOSE state of the cassette hold sensor (SA3/9/15/21) is detected for the sensor check processing just before the IP is sucked after cassette loading.	☞ {MT:4.37}
11324	Hold pin release error	During bootup/routine processing/M-Utility, the cassette hold solenoid (SOLA1/2/3/4) is turned ON to release the cassette hold; however, the cassette hold sensor (SA3/9/15/21) does not transition to CLOSE. Though the retries (twice) are executed, the cassette hold is not released. (A message is notified.)	☞ {MT:4.37}
11325	Cassette loading inlet disabled	During bootup/routine processing/M-Utility, the user disables the shelf after occurrence of "11324" error.	☞ {MT:4.37}
11328	Feed IP suction error (1)	During routine processing/M-Utility/abnormality processing, the IP suction pump (PA1/2/3/4) is driven to convey the IP from the cassette to the feed/load conveyor unit; however, the suction sensor (SA5/11/17/23) does not transition to OPEN within the specified period of time. Though the retries (twice) are executed, the IP is not sucked.	☞ {MT:4.26}
11329	Feed IP suction error (2) (drop)	During routine processing/M-Utility/abnormality processing, the IP is sucked to perform suction conveyance of the IP from the cassette to the feed/load conveyor unit; however, the CLOSE state (IP drop) of the suction sensor (SA5/11/17/23) is detected during IP conveyance. Though the retries (twice) for the IP suction are executed, the IP drop is detected again.	☞ {MT:4.26}

Error Code	Error Name	Occurrence Condition	Analysis Flow
11330	Feed/load unit entrance IP feed retry	During routine processing/M-Utility/abnormality processing, an attempt is made to convey the IP from the cassette to the feed/load conveyor unit; however, the IP feed/load sensor (SB1/2/3/4) does not transition to CLOSE. Though the retries (twice) for the IP suction are executed, the IP is not transported to the IP feed/load sensor.	☞ {MT:4.22}
11332	Feed IP conveyance error (1)	During routine processing/M-Utility, the IP transport motor (MB1, MB2, MC3) is driven to convey the IP from the feed/load conveyor unit to the side-positioning conveyor unit; however, the pre-BCR IP sensor (SB5) does not transition to CLOSE within the specified period of time.	☞ {MT:4.23}
11333	Feed IP conveyance error (2)	During routine processing/M-Utility, the IP transport motor (MB1, MB2, MC3) is driven to convey the IP from the feed/load conveyor unit to the side-positioning conveyor unit; however, the side-positioning entrance IP sensor (SG1) does not transition to CLOSE within the specified period of time.	☞ {MT:4.23}
11334	Feed IP conveyance error (3)	During routine processing/M-Utility, the IP transport motor (MB1, MB2, MC3) is driven to convey the IP from the feed/load conveyor unit to the side-positioning conveyor unit; however, the pre-BCR IP sensor (SB5) does not transition to OPEN within the specified period of time.	☞ {MT:4.23}
11335	Feed IP conveyance error (4)	During routine processing/M-Utility, the IP transport motor (MB1, MB2, MC3) is driven to convey the IP from the feed/load conveyor unit to the side-positioning conveyor unit; however, the side-positioning IP sensor (SC3) does not transition to CLOSE within the specified period of time.	☞ {MT:4.23}
11336	Feed IP sensor failure (1) (SB5 failure)	During routine processing/M-Utility, the IP transport motor (MB1, MB2, MC3) is driven to convey the IP from the feed/load conveyor unit to the side-positioning conveyor unit; however, the side-positioning IP sensor (SC3) or side-positioning entrance IP sensor (SG1) transitions to CLOSE before the pre-BCR IP sensor (SB5) transitions to CLOSE.	☞ {MT:4.23}
11337	Feed IP sensor failure (2) (SG1 failure)	During routine processing/M-Utility, the IP transport motor (MB1, MB2, MC3) is driven to convey the IP from the feed/load conveyor unit to the side-positioning conveyor unit; however, the side-positioning IP sensor (SC3) transitions to CLOSE before the side-positioning entrance IP sensor (SG1) transitions to CLOSE.	☞ {MT:4.23}
11338	Cassette type error	During routine processing/M-Utility, an out-of-spec cassette is loaded into the machine (CR-IR362) equipped with a both-side cassette error detection option.	☞ {MT:4.24}
11339	Cassette barcode reading error	<User operation> A cassette that is not compatible with the machine is loaded. <Occurrence condition> During routine processing, the barcode of the cassette can be read, but the data is defective.	☞ {MT:4.24}
11340	IP size detection error (1)	During routine processing/M-Utility, the IP transport motor (MB1, MB2), convergence path changeover guide drive motor (MB3), and side-positioning motor (MC1) are driven to determine the IP size; when the IP passage time for the pre-BCR IP sensor (SB5), the detection status of the "11x14 IP" determination sensor (SG2), and the sensor status of the inch/metric sensor (SA6, SA12, SA18, SA24) are checked, the result does not indicate a sensor combination that is used for IP size determination. Nonconformance of the IP size is detected.	☞ {MT:4.25}

Error Code	Error Name	Occurrence Condition	Analysis Flow
11341	IP size detection error (2)	During routine processing/M-Utility, the IP size detected by the machine is compared with the IP barcode information; however, error is detected in the barcode information. If the IP is conveyed with the inch/metric sensor (SA6/SA12/SA18/SA24) damaged, the IP is conveyed to the IP bar code reader (BCR1) of the side positioning conveyer unit and thereafter ejected to the cassette.	☞ {MT:4.40}
11343	IP barcode reading error	During routine processing, the barcode cannot be read by the barcode reader (BCRC1) of the side-positioning conveyor unit. Though the retries (twice) for reading the barcode are executed, it also cannot read, so that a barcode data message which is inputted manually by user is displayed.	☞ {MT:4.28}
11345	IP type error	During routine processing/M-Utility, the barcode information of the IP and the IP type that is set in CONFIG are compared; however, the barcode information of an IP type other than the CONFIG setting is detected.	-
11366	Load IP suction error (1)	During bootup/routine processing/M-Utility/abnormality processing, the IP suction pump (PA1/2/3/4) is driven to load the IP to the cassette; however, the suction sensor (SA5/11/17/23) does not transition to OPEN within the specified period of time. Though the retries (twice) are executed, the IP cannot be sucked.	☞ {MT:4.26}
11367	Load IP suction error (2) (drop)	During bootup/routine processing/M-Utility, the IP is sucked to perform suction conveyance of the IP from the feed/load conveyor unit to the cassette; however, the CLOSE state (IP drop) of the suction sensor (SA5/11/17/23) is detected during IP conveyance. Though the retries (twice) for the IP suction are executed, the IP drop is detected again.	☞ {MT:4.26}
11425	Initialization cassette status error	During bootup, the IP is detected in the cassette set unit; however, the OPEN state of the cassette IN sensor (SA2/8/14/20) or the CLOSE state of the cassette hold sensor (SA3/9/15/21) is detected for the confirmation of the presence of cassette, so that inconsistency of the sensor status is detected.	☞ {MT:4.21}
11459	Initialization IP position information error	During bootup, the CMOS information (IP found) of the machine does not coincide with the remaining IP search processing result (IP not found), so that the user is notified.	☞ {MT:4.36}
11490	IP is overexposed	An overexposed IP was detected during bootup or routine processing.	-
11493	Dummy cassette ejection request	During bootup, a dummy cassette is detected, and ejection of the cassette is requested.	-
11494	Dummy cassette request	As no dummy cassette is detected upon termination, and insertion of the dummy cassette is requested.	-
11495	Remove an empty cassette	An empty cassette was detected during bootup.	-
11496	Unread IP was ejected	A cassette was loaded while the CL was not ready for reading.	-

Error Code	Error Name	Occurrence Condition	Analysis Flow
11498	Empty the largest cassette and insert the cassette	<User operation> The IP size was unknown or the ejection destination cassette was not found during bootup. <Action> Insert an empty cassette.	-
11499	IP reading suspended	A remaining IP that could not be returned as an unprocessed IP was detected at a position behind the subscanning unit during bootup. The error code is displayed in the LCD but not logged in the ERROR DB.	☞ {MT:4.37}
11510	Unread IP ejection (1)	<Faulty phenomenon> The IP can be conveyed during secondary erasure but is ejected to the cassette without being read during routine processing. <Occurrence conditions> This error occurs if CL CONFIG setup is performed to select “0: 1-1” for “21. Connecting Between Reader and Console” under “1. IMAGE MODALITY”. <Servicing> The IP is ejected into a cassette without being read due to a cause attributable to the CL during routine processing. The IP is conveyed to the side-positioning conveyor and returned to the cassette without being read.	-
11511	Patient information not registered	<User operation> This error occurs during image output when the menu is not selected . <Occurrence condition> The patient information corresponding to the barcode of the processed IP has not been registered in the CL. Alternatively, the barcode cannot be read because the barcode affixed on the IP is soiled or the like.	-
11512	ID information obtaining error	Although the RU sent an ID information inquiry to the CL during routine processing, the RU could not obtain ID information due to a CL abnormality (except when the ID information could not be acquired due to an unregistered ID or barcode error). After the processed IP returns to a cassette, the cassette is ejected so that the associated message appears on the panel.	☞ {MT:14.}
11527	Invalid response from Start-Read command CL	Although the CL receives the Start-Read command from the RU, the CL transmits the reject command to the RU and displays the message accordingly on the CL window.	-
11530	Image data retransmission	The RU has retransmitted the image data to the CL	-
11531	Retransmission retry failure	During routine processing, an attempt is made to retransmit the unsent image data from the RU to the CL after communication with the CL is suspended; however, the CL rejects it, so that the image data is lost and the cassette is ejected.	☞ {MT:14.}
11687	Image data variation or back-side image signal connector error during bootup	An abnormal virtual data change was detected when the virtual data transfer diagnostics was conducted for bootup. In the virtual data transfer diagnostics for bootup, an abnormal virtual data change, disconnected image signal connector, or erroneous connector connection was detected.	☞ {MT:5.18}

Error Code	Error Name	Occurrence Condition	Analysis Flow
11731	Thermistor failure detection (during erasure initialization)	During bootup, it is detected that temperature control of the erasure unit is disabled due to temperature thermistor (THE1) error.	☞ {MT:6.5}
11737	Lamp unlit detection (during erasure initialization)	During bootup, the erasure lamps are turned on to check their lighting, but a single center lamp (socket L3) of the five erasure lamps is unlit. Or, two or more erasure lamps are unlit.	☞ {MT:6.2}
11751	Thermistor failure detection (during IP processing)	During routine processing, error for the temperature thermistor (THE1) is detected.	☞ {MT:6.5}
11757	Lamp unlit detection (during erasure idle temperature control)	During machine idle state, in order to perform erasure temperature control, the erasure lamps are turned on to check their lighting, but a single center lamp (socket L3) of the five erasure lamps is unlit. Or, two or more erasure lamps are unlit.	☞ {MT:6.2}
11766	Single lamp unlit detection (during IP erasure lighting)	When an attempt was made to illuminate the lamps for IP erasure during bootup or routine processing, one lamp did not illuminate. A message appears to notify the user that the IP will be inadequately erased.	☞ {MT:6.2}
11767	Lamp unlit detection (during IP erasure lighting)	During IP erasure, the erasure lamps are turned on to check their lighting, but a single center lamp (socket L3) of the five erasure lamps is unlit. Or, two or more erasure lamps are unlit.	☞ {MT:6.2}
11781	Thermistor failure detection (during idling)	During idle state after machine bootup, error for the temperature thermistor (THE1) is detected.	☞ {MT:6.5}
12030	Bitmap file load error	During bootup, loading of the bitmap file from the FLASH ROM to SD RAM fails.	☞ {MT:18.}
12071	FTP server access error	During bootup and during routine processing, the FTP server cannot be accessed for communication from the RU to the CL. Or, the FTP server may be accessed, but a connection cannot be established.	☞ {MT:7.}
12072	History file restore	As the history file on the FTP server is destroyed, it is restored from the backup file.	-
12080	MUTL mode multiple access warning	- "MUTL mode" functions are simultaneously activated for the RU. - The function that is entered first is activated, but the function that is entered second is not activated, and error is logged.	-
12101	Insufficient image data	Image data from the IMG17A/IMG17B board is insufficient. Although transfer was retried, a retry-over occurs. The insufficient data is complemented with image data of a uniform density.	☞ {MT:18.}
12102	Transfer retry due to insufficient image data	As the image data from the IMG17A/IMG17B board is insufficient, transfer was retried.	-

Error Code	Error Name	Occurrence Condition	Analysis Flow
12148	Image frame clock timeout	During routine processing, a timeout of the frame clock lock (information indicative of the leading edge of the image data) sent from the SCN17A/SCT17B board is detected by the sub-CPU. (30 seconds)	☞ {MT:6.1}
12149	Image processing pixel clock excess error	An error is detected for the pixel clock from the sub-CPU of the IMG17A/IMG17B board to the SCN17A/SCT17B board. - The pixel clock that is larger than the parameter value is detected. - The pixel clock, which is part of image data, denotes the number of pixels for one line of image data.	☞ {MT:6.1}
12150	Image processing pixel clock shortage error	During routine processing, when the image data from the SCN17A/SCT17B board is processed, an insufficient number of pixels for a certain line is detected by the sub-CPU.	☞ {MT:6.1}
12151	Image processing line clock excess error	During routine processing, when the image data from the SCN17A/SCT17B board is processed, an excess number of lines is detected.	☞ {MT:6.1}
12152	Image processing line clock shortage error	During routine processing, when the image data from the SCN17A/SCT17B board is processed, an insufficient number of lines is detected, or even when five seconds have passed after the trailing edge of a certain line clock, the trailing edge of its subsequent line clock is not detected.	☞ {MT:6.1}
12153	Image processing frame clock error	During routine processing, when an image processing command is accepted from the SCN17A/SCT17B board to the sub-CPU, the sub-CPU has already received the frame clock from the SCN.	☞ {MT:6.1}
12154	Image processing overrun error	During routine processing, the main CPU loses some of the image data from the sub-CPU.	☞ {MT:18.}
12164	FIFO data count shortage error	During routine processing, the sub-CPU completes its processing normally, but the number of pixels received by the main CPU via the FIFO is insufficient.	☞ {MT:18.}
12165	FIFO data count excess error	During routine processing, the sub-CPU completes its processing normally, but the number of pixels received by the main CPU via FIFO is excessive.	☞ {MT:18.}
12201	Start-point detection error	During bootup, error for the start-point detection signal (SSH, SSL) is detected.	☞ {MT:5.10}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12202	Leading-edge detection error	During bootup, only error for the leading-edge detection signal (SED1L) is detected.	☞ {MT:5.14}
12203	SCN sync signal error	During bootup, an SCN board diagnostic error (no main-scan sync signal is generated) associated with polygon error occurs.	☞ {MT:5.8}
12204	Polygon index signal error	During bootup, an SCN board diagnostic error (no polygon index signal is generated) associated with polygon error occurs.	☞ {MT:5.8}
12210	Polygon time-out	During bootup or during routine processing, the polygon OK signal cannot be detected within 7.5 seconds after the polygon is turned ON.	-
12211	PMT analog power supply error	During bootup and routine processing, error for the PMT analog power supply signal (+15VOKH, +15VOKL) is detected.	☞ {MT:5.12}
12212	Laser light intensity error	During bootup and routine processing, error for the laser OK signal (LD1OKH, LD1OKL) is detected.	☞ {MT:5.7}
12213	Polygon lock error	During bootup and routine processing, error for the polygon lock signal (POKL, PONL) is detected.	☞ {MT:5.8}
12214	Polygon rotation error	During bootup and routine processing, error is detected for the polygon rotation detection function on the SCN17A/SCT17B board.	☞ {MT:5.19}
12215	PLL function error	During bootup and routine processing, error is detected for the PLL function on the SCN17A/SCT17B board.	☞ {MT:5.19}
12216	Start-point interval error	During bootup and routine processing, error is detected for the start-point interval function on the SCN17A/SCT17B board.	☞ {MT:5.19}
12217	High-voltage command value error	During bootup and routine processing, error is detected for the high-voltage command value diagnostics signal on the SCN17A/SCT17B board.	☞ {MT:5.19}
12218	High-voltage detection value error	During bootup and routine processing, error is detected for the high-voltage detection value diagnostics signal on the SCN17A/SCT17B board.	☞ {MT:5.19}
12222	Laser drive current value error	During bootup and routine processing, the laser drive current value (LDIF) is more than 1.4 times the factory default value.	☞ {MT:5.15}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12225	Reading status error	During routine processing, error is detected for the VSYNC signal on the SCN17A/SCT17B board.	☞ {MT:18.}
12226	Operation line status error	During routine processing, error is detected for the SEDTM/FCLKTM signal on the SCN17A/SCT17B board.	☞ {MT:18.}
12241	Scanner control board error (1)	During bootup or during routine processing, error is detected for the PLL function, polygon rotation function, start-point interval function on the SCN17A/SCT17B board.	☞ {MT:5.19}
12242	Scanner control board error (2)	During routine processing, because the PMT high-voltage value is not set correctly on the SCN17A/SCT17B board, error is detected for the high-voltage command diagnostics.	☞ {MT:5.19}
12243	Scanner control board error (3)	During bootup or during routine processing, error is detected for the start-point mask signal generated from the SCN17A/SCT17B board and the index signal (PINDXL) from the polygonal mirror (POL).	☞ {MT:5.19}
12244	Scanner control board error (4)	During routine processing, an SCN board diagnostic error associated with polygon error is detected. Because the PLL on the SCN17A/SCT17B board does not oscillate, a polygon sync signal cannot be detected.	☞ {MT:5.8}
12251	Photomultiplier control board error (1)	During bootup or during routine processing, only error for the PMT analog power supply signal (+15VOKH, +15VOKL) is detected (detail code: 008100). Note that if the HV is OFF, the detail code is 008000.	☞ {MT:5.12}
12252	Photomultiplier control board error (2)	During bootup or during routine processing, only error for the high-voltage power supply signal (HVOKH, HVOKL) is detected.	☞ {MT:5.12}
12255	Leading-edge detection error (1)	During bootup or during routine processing, only error for the leading-edge detection signal (SED1, SED2L) is detected.	☞ {MT:5.14}
12256	Leading-edge detection timing error	During routine processing, IP conveyance overrun occurs due to mechanical error or SCN17A/SCT17B board control error, and only error for the SEDTM and FCLKTM signals on the SCN17A/SCT17B board is detected.	☞ {MT:5.14}
12261	Polygon rotation error (1)	During bootup, error for the polygon lock signal (PONL, POKL) is detected so that the polygonal mirror function is disabled. The start-point detection (SYN) and leading-edge detection (SED) functions are also disabled.	☞ {MT:5.8}
12262	Polygon rotation error (2)	During bootup, error for the polygon lock signal (PONL, POKL) and error for the start-point interval function and polygon rotation detection function on the SCN17A/SCT17B board are detected (detail code: 003400).	☞ {MT:5.8}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12263	Polygon rotation error (3)	During bootup, only error for the lock signal (POKL, PONL) from the polygonal mirror (POL) is detected (detail code: 002001). If error for the SEDTM or FCLKTM signal on the SCN17A/SCT17B board is detected, the detail code is 002003.	☞ {MT:5.8}
12264	Polygon rotation error (4)	During bootup or during routine processing, error for the signals (PONL, POKL, PINDXL) from the polygonal mirror and the SEDTM signal on the SCN17A/SCT17B board is detected (detail code: 001002). Alternatively, error for the index signal (PINDXL) from the polygonal mirror and the SEDTM and FCLKTM signals on the SCN17A/SCT17B board is detected (detail code: 001000). Alternatively, error for the signals (POKL, PINDXL) from the polygonal mirror and the SEDTM signal on the SCN17A/SCT17B board is detected (error code: 101000).	☞ {MT:5.8}
12270	LDIFMAX update	During routine processing, a change by 5 mA or more in LD driving current value is detected when controlling an insufficient light quantity (to keep the light quantity of the similar level) due to degradation of the LD.	-
12271	Laser unlit error (1)	During routine processing, the laser (LDD) and start-point detection (SYN) functions are disabled due to blow of the fuse (G011 and H011 on the SCN17A/SCT17B board) or laser failure (detail code: 805413, C05413, 00503).	☞ {MT:5.9}
12272	Insufficient laser light intensity	During routine processing, the laser light intensity is less than 50%, and the laser light intensity error signal (LD1OKL, LD1OKH) is detected (detail code: 004000). Alternatively, the laser light intensity error signal (LD1OKL, LD1OKH) and laser drive current value (LDIF) error are detected (detail code: 014000).	☞ {MT:13.}
12273	Laser life warning	During routine processing, the laser drive current value (LDIF) is more than 1.4 times the factory default value.	☞ {MT:5.15}
12281	Start-point detection error (1)	During bootup, the disabled state of the start-point detection (SYN) function, and error for the PLL function and polygon rotation detection function on the SCN17A/SCT17B board are detected (detail code: 801C03). Alternatively, the disabled state of the start-point detection (SYN) function, and error for the PLL function on the SCN17A/SCT17B board are detected (detail code: 800C03). Alternatively, during routine processing, the disabled state of the start-point detection (SYN) function, and error for the PLL function and polygon rotation detection function on the SCN17A/SCT17B board are detected (detail code: 801401).	☞ {MT:5.10}
12282	Start-point detection error (2)	During bootup and routine processing, only error for the start-point interval function on the SCN17A/SCN17B board is detected (detail code: 000400). Alternatively, error for the start-point interval function and polygon rotation detection function on the SCN17A/SCN17B board is detected (detail code: 001401).	☞ {MT:5.10}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12283	Scanning optics unit board error during bootup	During bootup, the laser (LDD), start-point detection (SYN), and leading-edge detection (SED) functions are disabled due to laser failure or disconnected connector.	☞ {MT:5.15}
12284	LD monitor value error warning	During IP reading, the laser drive current value (LDIF) becomes more than 1.4 times the factory default value.	☞ {MT:5.15}
12285	HV command value error warning	During IP reading, error is detected for the HV command value signal sent from the SCN17A/SCT17B board to the PMT17A/PMR17B board. The difference between MIN and MAX of the monitor value relative to the setup value is out of specification.	☞ {MT:5.16}
12286	HV detection value error warning	During routine processing, error is detected for the HV detection value signal of the PMT17A/PMR17B board. The difference between MIN and MAX of the monitor value relative to the setup value is out of specification.	☞ {MT:5.16}
12287	Image data variation or image signal connector error during routine processing	An abnormal image data change was detected when the image data transfer diagnostics was conducted for scanner diagnostics during routine processing. In the image data transfer diagnostics for scanner diagnostics during routine processing, an abnormal virtual data change, disconnected image signal connector, or erroneous connector connection was detected.	☞ {MT:5.17}
12291	Reading sequence error	During routine processing, error for the VSYNC signal on the SCN17A/SCT17B board is detected after IP reading is completed (detail code: 000002).	☞ {MT:18.}
12292	Reading sequence error during routine (2)	Reading is completed by any interrupt other than the leading-edge detection interrupt or end-of-screen interrupt. At the same time, an insufficient number of output lines and a too-early start of reading are detected (detail code: 000003).	-
12295	Scanner send/receive error	During bootup, or during routine processing, or in the Maintenance Utility, control communication between the CPU91A board and SCN17A/SCT17B board is performed; however, because error for the scanner unit is detected, the control communication does not end normally.	☞ {MT:5.19}
12296	Scanner send sum check error	During bootup, during routine processing, or in the Maintenance Utility, control communication between the CPU91A board and SCN17A/SCT17B board can be done; however, sum check error is detected from the SCN17A/SCT17B board.	☞ {MT:5.19}
12297	Communication receive size error	During bootup, or during routine processing, or in the Maintenance Utility, communication between the CPU91A board and SCN17A/SCT17B board can be done; however, data size error is detected from the SCN17A/SCT17B board.	☞ {MT:5.19}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12298	Scanner retry error	During routine processing, because scanner-related error is detected, the IP is returned to the cassette and scanner initialization is performed, with a retry made for routine processing.	☞ {MT:5.11}
12299	Error for scanner, etc.	During bootup or routine processing, a combination of errors that should not have logically occurred were generated.	-
12320	Cassette setting status warning (1)	<User operation> After the cassette is loaded, the cassette is pulled out immediately. <Occurrence condition> During routine processing/M-Utility, the cassette hold solenoid (SOLA1/2/3/4) is turned OFF to hold the cassette, and the hold pin protrudes; however, the cassette ejection sensor (SA1/7/13/19) transitions to OPEN.	☞ {MT:4.39}
12321	Cassette hold retry	During routine processing/M-Utility, the cassette hold solenoid (SOLA1/2/3/4) is turned OFF to hold the cassette, and the hold pin protrudes; however, the cassette hold sensor (SA3/9/15/21) does not transition to OPEN, thus resulting in a retry.	☞ {MT:4.37}
12322	Cassette setting status warning (2)	During routine processing/M-Utility, when a sensor check is made after cassette loading, the OPEN state of the cassette ejection sensor (SA1/7/13/19) is detected.	☞ {MT:4.38}
12324	Hold pin release retry	During bootup/routine processing/M-Utility, the cassette hold solenoid (SOLA1/2/3/4) is turned ON to release the cassette hold; however, the cassette hold sensor (SA3/9/15/21) does not transition to CLOSE, thus resulting in a retry.	☞ {MT:4.37}
12328	Feed IP suction retry (1)	During routine processing/M-Utility/abnormality processing, the IP suction pump (PA1/2/3/4) is driven to convey the IP from the cassette to the feed/load conveyor unit; however, the suction sensor (SA5/11/17/23) does not transition to OPEN within the specified period of time, thus resulting in a retry.	☞ {MT:4.26}
12329	Feed IP suction retry (2) (drop)	During routine processing/M-Utility/abnormality processing, the IP is sucked to convey the IP from the cassette to the feed/load conveyor unit; however, the CLOSE state of the suction sensor (SA5/11/17/23) is detected during IP conveyance, thus resulting in a retry.	☞ {MT:4.26}
12330	Feed/load unit entrance IP feed conveyance retry	During routine processing/M-Utility/abnormality processing, an attempt is made to convey the IP from the cassette to the feed/load conveyor unit; however, the IP feed/load sensor (SB1/2/3/4) does not transition to CLOSE, thus resulting in retries (twice) for suction operation.	☞ {MT:4.22}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12331	IP-feed air leak warning	During routine processing/M-Utility/abnormality processing, the IP leak valve (SVA1/2/3/4) is driven to convey the IP from the cassette to the feed/load conveyor unit, and the IP suction pump (PA1/2/3/4) is stopped; however, the suction sensor (SA5/11/17/23) does not transition to CLOSE within the specified period of time.	☞ {MT:4.41}
12332	Feed IP conveyance error (1)	During routine processing/M-Utility, the IP transport motor (MB1, MB2, MC3) is driven to convey the IP from the feed/load conveyor unit to the side-positioning conveyor unit; however, the pre-BCR IP sensor (SB5) does not transition to CLOSE within the specified period of time. Therefore, a retry was performed.	☞ {MT:4.23}
12333	Feed IP conveyance error (2)	During routine processing/M-Utility, the IP transport motor (MB1, MB2, MC3) is driven to convey the IP from the feed/load conveyor unit to the side-positioning conveyor unit; however, the side-positioning entrance IP sensor (SG1) does not transition to CLOSE within the specified period of time.	☞ {MT:4.23}
12334	Feed IP conveyance error (3)	During routine processing/M-Utility, the IP transport motor (MB1, MB2, MC3) is driven to convey the IP from the feed/load conveyor unit to the side-positioning conveyor unit; however, the pre-BCR IP sensor (SB5) does not transition to OPEN within the specified period of time. Therefore, a retry was performed.	☞ {MT:4.23}
12335	Feed IP conveyance error (4)	During routine processing/M-Utility, the IP transport motor (MB1, MB2, MC3) is driven to convey the IP from the feed/load conveyor unit to the side-positioning conveyor unit; however, the side-positioning IP sensor (SC3) does not transition to CLOSE within the specified period of time. Therefore, a retry was performed.	☞ {MT:4.23}
12336	Feed IP sensor failure (1) (SB5 failure)	During routine processing/M-Utility, the IP transport motor (MB1, MB2, MC3) is driven to convey the IP from the feed/load conveyor unit to the side-positioning conveyor unit; however, the side-positioning IP sensor (SC3) or side-positioning entrance IP sensor (SG1) transitions to CLOSE before the pre-BCR IP sensor (SB5) transitions to CLOSE. Therefore, a retry was performed.	☞ {MT:4.23}
12337	Feed IP sensor failure (2) (SG1 failure)	During routine processing/M-Utility, the IP transport motor (MB1, MB2, MC3) is driven to convey the IP from the feed/load conveyor unit to the side-positioning conveyor unit; however, the side-positioning IP sensor (SC3) transitions to CLOSE before the side-positioning entrance IP sensor (SG1) transitions to CLOSE. Therefore, a retry was performed.	☞ {MT:4.23}
12343	IP barcode reading retry	During routine processing, the barcode cannot be read by the IP barcode reader (BCRC1) of the side-positioning conveyor unit.	☞ {MT:4.28}
12347	Reading and conveyance retry	As the IP cannot be conveyed to the reader unit within a specified time, a retry is made.	-

Error Code	Error Name	Occurrence Condition	Analysis Flow
12348	FFM motor rpm out of specification	During routine processing except for secondary erasure, the motor rotation W.F. error of the subscanning motor (MZ1) for the W.F. monitoring operation is detected.	☞ {MT:4.29}
12350	SE2 IP sensor status warning	During bootup/routine processing, the IP transport motor (MD2, ME1) is driven to convey the IP to the erasure conveyor unit after the IP is read, and the post-reading conveyance standby IP sensor (SE1) transitions to CLOSE; however, the switchback standby IP sensor (SE2) does not transition to CLOSE within the specified period of time.	☞ {MT:4.30}
12357	into Erasure unit IP transporting retry warning	Although the IP transport motor (ME1) was driven for IP conveyance (erasure conveyor) during routine processing, the switchback standby IP sensor (SE2) was closed because the IP did not pass the sensor within the specified time. Consequently, the IP transport motor (ME1) operation was retried.	☞ {MT:4.27}
12359	Post-erasure feed/load unit IP conveyance error	During bootup/routine processing, the IP transport motor (ME1, MB1, MB2) is driven to convey the IP to the cassette after the IP is erased; however, the pre-BCR IP sensor (SB5) does not transition to CLOSE within the specified period of time. Therefore, a retry was performed.	☞ {MT:4.6}
12360	Load IP conveyance error (1)	During bootup/routine processing, the IP transport motor (ME1, MB1, MB2) is driven to convey the IP to the cassette after the IP is erased, and the pre-BCR sensor (SB5) transitions to CLOSE; however, the IP feed/load sensor (SB1/2/3/4) for the shelf of interest does not transition to CLOSE within the specified period of time. Therefore, a retry was performed.	☞ {MT:4.6}
12363	Load IP conveyance error (4)	During bootup/routine processing, the IP transport motor (ME1, MB1, MB2) is driven to convey the IP to the feed/load conveyor unit after the IP is erased; however, the pre-BCR IP sensor (SB5) does not transition to OPEN within the specified period of time. Therefore, a retry was performed.	☞ {MT:4.6}
12366	Load IP suction retry (1)	During bootup/routine processing/M-Utility/abnormality processing, the IP suction pump (PA1/2/3/4) is driven to return the processed IP to the cassette; however, the suction sensor (SA5/11/17/23) does not transition to OPEN within the specified period of time, thus resulting in a suction retry.	☞ {MT:4.26}
12367	Load IP suction retry (2) (drop)	During bootup/routine processing/M-Utility, the IP suction pump (PA1/2/3/4) is driven to perform IP load conveyance, and the suction sensor (SA5/11/17/23) transitions to OPEN; however, the SA5/11/17/23 transitions to CLOSE (IP drop) during IP load conveyance, thus resulting in a suction retry.	☞ {MT:4.26}
12368	IP-load air leak warning	During bootup/routine processing/M-Utility/abnormality processing, the IP lead valve (SVA1/2/3/4) is driven to return the processed IP from the feed/load conveyor unit to the cassette, and the IP suction pump (PA1/2/3/4) is stopped; however, the suction sensor (SA5/11/17/23) does not transition to CLOSE within the specified period of time.	☞ {MT:4.41}
12369	Path guide HP detection retry (1)	During bootup/routine processing/M-Utility, the convergence path changeover guide drive motor (MB3) is driven to perform home-positioning of the path changeover guide (feed/load conveyor unit); however, the path changeover HP sensor (SB11) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.7}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12370	Path guide HP detection retry (2)	During bootup/routine processing/M-Utility, the convergence path changeover guide drive motor (MB3) is driven to perform home-positioning of the path changeover guide (feed/load conveyor unit); however, the path changeover shelf sensor (SB7/8/9) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.7}
12371	Path guide changeover retry	During bootup/routine processing/M-Utility, the convergence path changeover guide drive motor (MB3) is driven to perform path changeover operation (feed/load conveyor unit); however, the path changeover shelf sensor (SB7/8/9) and path changeover HP sensor (SB11) do not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.7}
12372	Convergence path guide changeover warning	During bootup/routine processing/M-Utility, the convergence path changeover guide drive motor (MB3) is driven to perform path changeover operation (feed/load conveyor unit) after IP erasure; however, the convergence path changeover sensor (SB10) does not transition to CLOSE within the specified period of time, thus resulting in HP positioning.	☞ {MT:4.44}
12373	Convergence path guide HP detection retry (2)	During bootup/routine processing/M-Utility, the convergence path changeover guide drive motor (MB3) is driven to perform path changeover operation (feed/load conveyor unit) after IP erasure; however, the convergence path changeover sensor (SB10) does not transition to CLOSE within the specified period of time.	☞ {MT:4.44}
12374	Side-positioning unit grip HP detection retry (1)	During bootup/M-Utility, the grip release motor (MC2) is driven for one pulse to perform grip home-positioning of the side-positioning conveyor unit; however, the grip release HP sensor (SC2) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.8}
12375	Side-positioning unit grip HP detection retry (2)	During bootup/M-Utility, the grip release motor (MC2) is driven to perform grip home-positioning of the side-positioning conveyor unit; however, the grip release HP sensor (SC2) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.8}
12376	Side-positioning unit grip HP detection retry (3)	During bootup/M-Utility, the grip release motor (MC2) is driven to perform grip home-positioning of the side-positioning conveyor unit; however, the grip release HP sensor (SC2) does not transition to OPEN within the specified period of time, thus resulting in a retry.	☞ {MT:4.8}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12377	Side-positioning unit grip HP detection warning	During bootup/routine processing/M-Utility, the grip release motor (MC2) is driven to perform grip operation of the side-positioning conveyor unit; however, the grip release HP sensor (SC2) does not transition to CLOSE, so that home-positioning is performed.	☞ {MT:4.8}
12378	Post-reading conveyor unit grip HP detection retry (1)	During bootup/M-Utility, the grip release motor (MD1) is driven for one pulse to perform grip home-positioning of the post-reading conveyor unit; however, the grip release HP sensor (SD1) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.9}
12379	Post-reading conveyor unit grip HP detection retry (2)	During bootup/M-Utility, the grip release motor (MD1) is driven to perform grip home-positioning of the post-reading conveyor unit; however, the grip release HP sensor (SD1) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.9}
12380	Post-reading conveyor unit grip HP detection retry (3)	During bootup/M-Utility, the grip release motor (MD1) is driven to perform grip home-positioning of the post-reading conveyor unit; however, the grip release HP sensor (SD1) does not transition to OPEN within the specified period of time, thus resulting in a retry.	☞ {MT:4.9}
12381	Post-reading conveyor unit grip HP detection retry (4)	During routine processing/primary erasure/M-Utility, the grip release motor (MD1) is driven after IP reading; however, the grip release HP sensor (SD1) does not transition to CLOSE, so that home-positioning is performed.	☞ {MT:4.9}
12382	Erasure unit grip HP detection retry (1)	During bootup/M-Utility, the grip release motor (ME3) is driven for one pulse to perform grip home-positioning of the erasure conveyor unit; however, the grip release HP sensor (SE5) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.10}
12383	Erasure unit grip HP detection retry (2)	During bootup/M-Utility, the grip release motor (ME3) is driven to perform grip home-positioning of the erasure conveyor unit; however, the grip release HP sensor (SE5) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.10}
12384	Erasure unit grip HP detection retry (3)	During bootup/M-Utility, the grip release motor (ME3) is driven to perform grip home-positioning of the erasure conveyor unit; however, the grip release HP sensor (SE5) does not transition to OPEN within the specified period of time, thus resulting in a retry.	☞ {MT:4.10}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12385	Erasure unit grip HP detection warning	During bootup/M-Utility, the grip release motor (ME3) is driven to convey the IP after IP erasure; however, the grip release HP sensor (SE5) does not transition to CLOSE, so that home-positioning is performed.	☞ {MT:4.10}
12386	Side-positioning unit side-positioning mechanism HP detection retry (1)	During bootup/routine processing/M-Utility, the side-positioning motor (MC1) is driven for one pulse to perform home-positioning of the side-positioning mechanism (side-positioning conveyor unit); however, the side-positioning mechanism HP sensor (SC1) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.11}
12387	Side-positioning unit side-positioning mechanism HP detection retry (2)	During bootup/routine processing/M-Utility, the side-positioning motor (MC1) is driven to perform home-positioning of the side-positioning mechanism (side-positioning conveyor unit); however, the side-positioning mechanism HP sensor (SC1) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.11}
12388	Side-positioning unit side-positioning mechanism HP detection retry (3)	During bootup/routine processing/M-Utility, the side-positioning motor (MC1) is driven to perform home-positioning of the side-positioning mechanism (side-positioning conveyor unit); however, the side-positioning mechanism HP sensor (SC1) does not transition to OPEN within the specified period of time, thus resulting in a retry.	☞ {MT:4.11}
12389	Side-positioning unit side-positioning mechanism HP detection warning	During bootup/routine processing/M-Utility, when the home position is checked after the side-positioning operation is completed at the side-positioning conveyor unit, the side-positioning mechanism HP sensor (SC1) does not transition to CLOSE, so that home-positioning is performed.	☞ {MT:4.11}
12390	Erasure unit side-positioning mechanism HP detection retry (1)	During bootup/routine processing/M-Utility, the side-positioning motor (ME2) is driven for one pulse to perform side-positioning mechanism home-positioning of the erasure conveyor unit; however, the erasure side-positioning mechanism HP sensor (SE4) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.33}
12391	Erasure unit side-positioning mechanism HP detection retry (2)	During bootup/routine processing/M-Utility, the side-positioning motor (ME2) is driven to perform side-positioning mechanism home-positioning of the erasure conveyor unit; however, the erasure side-positioning mechanism HP sensor (SE4) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.33}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12392	Erasure unit side-positioning mechanism HP detection retry (3)	During bootup/routine processing/M-Utility, the side-positioning motor (ME2) is driven to perform side-positioning mechanism home-positioning in the erasure conveyor unit; however, the erasure side-positioning mechanism HP sensor (SE4) does not transition to OPEN within the specified period of time, thus resulting in a retry.	☞ {MT:4.33}
12393	Erasure unit side-positioning mechanism HP detection warning	During bootup/routine processing/M-Utility, the erasure side-positioning mechanism HP sensor (SE4) does not transition to CLOSE after the side-positioning operation of the IP erasure conveyance is completed, so that home-positioning is performed.	☞ {MT:4.11}
12394	Suction cup HP detection retry (1)	During bootup/routine processing/M-Utility, the suction cup drive motor (MA1/2/3/4) is driven for one pulse to perform suction cup home-positioning; however, the suction cup HP sensor (SA4/10/16/22) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.12}
12395	Suction cup HP detection retry (2)	During bootup/routine processing/M-Utility, the suction cup drive motor (MA1/2/3/4) is driven to perform suction cup home-positioning; however, the suction cup HP sensor (SA4/10/16/22) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.12}
12396	Suction cup HP detection retry (3)	During bootup/routine processing/M-Utility, the suction cup drive motor (MA1/2/3/4) is driven to perform suction cup home-positioning; however, the suction cup HP sensor (SA4/10/16/22) does not transition to OPEN within the specified period of time, thus resulting in a retry.	☞ {MT:4.12}
12398	Cleaning guide HP detection retry (1)	During bootup/M-Utility, the cleaning guide drive motor (MC4) is driven for one pulse to perform cleaning guide home-positioning; however, the cleaning guide HP sensor (SC4) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.13}
12399	Cleaning guide HP detection retry (2)	During bootup/M-Utility, the cleaning guide drive motor (MC4) is driven to perform cleaning guide home-positioning; however, the cleaning guide HP sensor (SC4) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.13}
12400	Cleaning guide HP detection retry (3)	During bootup/M-Utility, the cleaning guide drive motor (MC4) is driven to perform cleaning guide home-positioning; however, the cleaning guide HP sensor (SC4) does not transition to OPEN within the specified period of time, thus resulting in a retry.	☞ {MT:4.13}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12401	Cleaning guide grip operation detection warning	During bootup/routine processing/M-Utility, the cleaning guide drive motor (MC4) is driven to grip the cleaning guide (guide-down); however, the cleaning guide HP sensor (SC4) does not transition to OPEN.	☞ {MT:4.13}
12402	Cleaning guide HP detection warning	During bootup/routine processing/M-Utility, the cleaning guide drive motor (MC4) is driven to release the grip of the cleaning guide (guide-up); however, the cleaning guide HP sensor (SC4) does not transition to CLOSE, so that home-positioning is performed.	☞ {MT:4.13}
12403	IP stopper HP detection retry (1)	During bootup/M-Utility, the IP stopper drive motor (MZ4) is driven for one pulse to perform IP stopper home-positioning; however, the IP stopper HP sensor (SZ5) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.14}
12404	IP stopper HP detection retry (2)	During bootup/M-Utility, the IP stopper drive motor (MZ4) is driven to perform IP stopper home-positioning; however, the IP stopper HP sensor (SZ5) does not transition to CLOSE within the specified period of time, thus resulting in a retry.	☞ {MT:4.14}
12405	IP stopper HP detection retry (3)	During bootup/M-Utility, the IP stopper drive motor (MZ4) is driven to perform IP stopper home-positioning; however, the IP stopper HP sensor (SZ5) does not transition to OPEN within the specified period of time, thus resulting in a retry.	☞ {MT:4.14}
12406	IP stopper protrusion detection warning	During bootup/routine processing/M-Utility, the IP stopper drive motor (MZ4) is driven for IP stopper protruding operation; however, the IP stopper HP sensor (SZ5) does not transition to OPEN, thus resulting in HP positioning.	☞ {MT:4.14}
12407	IP stopper HP detection warning	During bootup/routine processing/M-Utility, the IP stopper drive motor (MZ4) is driven for IP stopper retreating operation; however, the IP stopper HP sensor (SZ5) does not transition to CLOSE, so that home-positioning is performed.	☞ {MT:4.14}
12408	Suction cup HP detection warning (1)	During bootup/routine processing/M-Utility, when the suction cup home position is checked, the suction cup HP sensor (SA4/10/16/22) does not transition to CLOSE, so that home-positioning is performed.	☞ {MT:4.32}
12409	Suction cup HP detection warning (2)	During bootup/routine processing/M-Utility, when the suction cup home position is checked, the suction cup HP sensor (SA4/10/16/22) does not transition to CLOSE, so that home-positioning is performed.	☞ {MT:4.32}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12417	Driving-shaft grip speed correction value warning	For the correction processing during bootup/at the end of reading, the grip speed of the driving shaft is corrected; however, the driving-side grip release HP sensor (SZ2) does not transition to OPEN within the specified period of time, thus resulting in a retry for grip speed correction.	☞ {MT:4.15}
12418	Driving-shaft grip speed correction failure	For the correction processing during bootup/at the end of reading, the grip drive motor (MZ2) is driven to perform operation for correcting the grip speed of the driving shaft; however, the driving-side grip release HP sensor (SZ2) does not transition to OPEN within the specified period of time.	☞ {MT:4.15}
12430	Dust removal HP detection warning	During bootup and during routine processing, the home position of the dust removal mechanism is checked. As the dust removal HP detection sensor (SZ4) is in CLOSE, the dust removal motor (MZ3) is activated for home-positioning control.	☞ {MT:4.17}
12433	Dust removal HP detection retry (1)	During bootup, the dust removal motor (MZ3) is driven (counterclockwise) to perform home-positioning of the dust removal mechanism; however, the dust removal HP sensor (SZ4) does not transition to OPEN within the specified period of time, resulting in a retry.	☞ {MT:4.17}
12434	Dust removal HP detection retry (2)	During bootup, the dust removal motor (MZ3) is driven (counterclockwise) to perform home-positioning of the dust removal mechanism; however, the dust removal HP sensor (SZ4) does not transition to CLOSE within the specified period of time, resulting in a retry.	☞ {MT:4.17}
12440	Initialization convergence path IP conveyance warning (1)	During bootup, the IP transport motor (MB1, MB2, MC3) is driven to perform the remaining IP search processing, and before the side-positioning entrance IP sensor (SG1) and pre-convergence IP sensor (SB6) transition to OPEN, the OPEN state of the pre-BCR IP sensor (SB5) is detected. Because the IP may have been scratched, the IP should be checked for any scratch.	☞ {MT:4.18}
12441	Initialization convergence path IP conveyance warning (2)	During bootup, the IP transport motor (MB1, MB2, MC3) is driven to perform the remaining IP search processing, and the MB1, MB2, ME1 is stopped after the pre-convergence IP sensor (SB6) transitions to CLOSE; however, the pre-BCR IP sensor (SB5) does not transition to OPEN. Because the IP may have been scratched, the IP should be checked for any scratch.	☞ {MT:4.18}
12510	Image format error	During bootup or during routine processing, an illegal command is received from the CL.	-
12520	Message transmission failure	During bootup or routine processing, a message transmission from RU to CL is failed.	☞ {MT:14.}
12521	RES message receiving time-out	During bootup or routine processing, a REQUEST message is transmitted from RU to CL, however, RU cannot receive a RESPONSE message, thus resulting in a time-out.	☞ {MT:14.}
12522	ACK receiving time-out	During bootup or routine processing, a message is transmitted from RU to CL, however, RU cannot receive ACK, thus resulting in a time-out.	☞ {MT:14.}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12523	SET command CL receiving error	Although the SET command was transmitted from the RU during routine processing, a signal other than OK was received as a response from the CL. After the processed IP returns to a cassette, the cassette is ejected so that the associated message appears on the RU panel.	-
12524	Forbidden Response to Start-Process command	Although the Start-Process command was transmitted from the RU to the CL immediately after cassette insertion during routine processing, a rejection command was received from the CL. After the processed IP returns to a cassette, the cassette is ejected so that the associated message appears on the RU panel.	☞ {MT:14}
12525	Forbidden Response to INQ command	Although the INQ command was transmitted from the RU to the CL immediately after cassette insertion during routine processing, a rejection command was received from the CL. After the processed IP returns to a cassette, the cassette is ejected so that the associated message appears on the RU panel.	☞ {MT:14}
12526	Forbidden Response to Start-Read command	Although the Start-Read command was transmitted from the RU immediately before IP reading during routine processing, a rejection command was received from the CL. After the processed IP returns to a cassette, the cassette is ejected so that the associated message appears on the RU panel.	☞ {MT:14}
12611	Back-side PMT analog power supply error	During bootup and routine processing, only error for the PMT analog power supply signal (+15VOKH, +15VOKL) for back-side is detected.	☞ {MT:5.13}
12617	Back-side High-voltage command value error	During bootup and routine processing, error is detected only for the high-voltage command value diagnostics signal for back-side on the SCT17B board.	☞ {MT:5.13}
12618	Back-side High-voltage detection value error	During bootup and routine processing, error is detected only for the high-voltage detection value diagnostics signal for back-side on the SCT17B board.	☞ {MT:5.13}
12642	Back-side scanner control board error (2)	During routine processing, because the PMR high-voltage value is not set correctly on the SCT17B board, error is detected for the high-voltage command diagnostics for back side.	☞ {MT:5.19}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12651	Back-side photomultiplier control board error (1)	During bootup and routine processing, only error for the PMR analog power supply signal (+15VOKH, +15VOKL) is detected (detail code: 008100). Note that if the HV is OFF, the detail code is 008000.	☞ {MT:5.13}
12652	Back-side photomultiplier control board error (2)	During bootup and routine processing, only error for the high voltage power supply signal (HVOKH, HVOKL) for back-side is detected.	☞ {MT:5.13}
12687	Image data variation or back-side image signal connector error during routine processing	An abnormal image data change was detected when the image data transfer diagnostics was conducted for scanner diagnostics during routine processing. In the image data transfer diagnostics for scanner diagnostics during routine processing, an abnormal virtual data change, disconnected image signal connector, or erroneous connector connection was detected.	☞ {MT:5.18}
12695	Back-side scanner send/receive error	During bootup, or during routine processing, or in the Maintenance Utility, control communication between the CPU91A board and SCT17B board is performed; however, because error for the scanner unit is detected, the control communication does not end normally.	☞ {MT:5.19}
12696	Back-side scanner send sum check error	During bootup, during routine processing, or in the Maintenance Utility, control communication between the CPU91A board and SCT17B board can be done; however, sum check error is detected from the SCT17B board.	☞ {MT:5.19}
12697	Back-side communication receive size error	During bootup, or during routine processing, or in the Maintenance Utility, communication between the CPU91A board and SCT17B board can be done; however, data size error is detected from the SCT17B board.	☞ {MT:5.19}
12700	CPU board initial diagnostic test error	<Servicing> It occurs when setup is made through DIP SW setting on the CPU91A board to perform total memory test during bootup. During bootup, error is detected for the total memory test.	-
12701	Bus error detection function error	An error is detected for the bus error detection function on the CPU91A board performed during bootup or routine processing.	☞ {MT:18.}
12702	H8 CPU interrupt error	During bootup or during routine processing, an interrupt test is conducted for "H8 CPU" of the scanner board (SCN17A/SCT17B) from the CPU91A board, but it does not end normally.	☞ {MT:6.1}
12703	Sensor board interrupt error	During bootup or during routine processing, an interrupt test is conducted for the sensor board (SNS17A/SNS17B) from the CPU91A board, but it does not end normally.	☞ {MT:6.3}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12705	LCD bus error	During bootup, the CPU91A board detects a bus error for the LCD panel.	☞ {MT:18.}
12733	High-temperature error detection (during erasure initialization)	During bootup, the temperature thermistor (THE1) detects high-temperature error.	☞ {MT:6.4}
12736	Single lamp unlit detection (during erasure initialization)	During bootup, because one of the five lamps is unlit, the machine is booted up in the mode where the erasure time is extended.	☞ {MT:6.2}
12743	Erasure unit high-temperature error cancel	During bootup and routine processing, 12733 or 12753 occurs and the temperature of the erasure unit lamp reaches an abnormal level, so that the no-erasure mode is temporarily entered. Subsequently, because the erasure lamp temperature drops below the specified temperature (erasable temperature), the normal mode is returned.	☞ {MT:6.4}
12753	Erasure unit high-temperature error	During routine processing and idling, the temperature thermistor (THE1) detects high-temperature error.	☞ {MT:6.4}
12756	Single lamp unlit detection (during erasure idle temperature control)	During idling, when the erasure lamps are turned on for erasure temperature control, a single lamp that is normally lit does not turn on, so that it enters the erasure time extension mode.	☞ {MT:6.2}
12766	Single lamp unlit detection (during IP erasure lighting)	During bootup and routine processing, when the erasure lamps are turned on during IP erasure, a single lamp is unlit, so that it enters the erasure time extension mode.	☞ {MT:6.2}
12778	Wait for erasure due to the out-of-temperature range	As the inside of the erasure unit is not within a specified temperature range, the erasure is awaited.	-
12779	Time-out in wait for erasure due to the out-of-temperature range	During routine processing, a wait occurs as the erasure unit is out of the specified temperature range before erasing the IP, and a time-out occurs.	-
12799	Self-reset procedure error	An interrupt is received such that the main CPU has accessed the self-reset register that is usually accessed during shutdown processing, using improper procedure.	☞ {MT:18.}
12800	Erasure unit safety thermostat "TSWE1" operation	During bootup and routine processing, because the erasure unit lamp housing reaches an abnormally high temperature, the safety thermostat TSWE1 is activated.	☞ {MT:6.4}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12810	Power supply A021 error	During bootup and during routine processing, it is detected that the "A021" fuse (F1) on the SNS17B board is blown.	☞ {MT:9.}
12811	Power supply A031 error	During bootup and during routine processing, it is detected that the "A031" fuse (F2) on the SNS17B board is blown.	☞ {MT:9.}
12812	Power supply A041 error	During bootup and during routine processing, it is detected that the "A041" fuse (F3) on the SNS17B board is blown.	☞ {MT:9.}
12813	Power supply A051 error	During bootup and during routine processing, it is detected that the "A051" fuse (F4) on the SNS17B board is blown.	☞ {MT:9.}
12814	Power supply A061 error	During bootup and during routine processing, it is detected that the "A061" fuse (F5) on the SCN17A/SCT17B board is blown.	☞ {MT:9.}
12820	Power supply B error 1	During bootup and during routine processing, it is detected that the voltage of the DRV17A-related +24V power supply is not outputted.	☞ {MT:9.}
12821	Power supply B011 error	During bootup and during routine processing, it is detected that the "B011" fuse (F1) on the DRV17A board is blown.	☞ {MT:9.}
12822	Power supply B021 error	During bootup and during routine processing, it is detected that the "B021" fuse (F2) on the DRV17A board is blown.	☞ {MT:9.}
12823	Power supply B031 error	During bootup and during routine processing, it is detected that the "B031" fuse (F3) on the DRV17A board is blown.	☞ {MT:9.}
12824	Power supply B041 error	During bootup and during routine processing, it is detected that the "B041" fuse (F4) on the DRV17A board is blown.	☞ {MT:9.}
12825	Power supply B051 error	During bootup and during routine processing, it is detected that the "B051" fuse (F5) on the DRV17A board is blown.	☞ {MT:9.}
12826	Power supply B061 error	During bootup and during routine processing, it is detected that the "B061" fuse (F6) on the DRV17A board is blown.	☞ {MT:9.}
12827	Power supply B071 error	During bootup and during routine processing, it is detected that the "B071" fuse (F7) on the DRV17A board is blown.	☞ {MT:9.}
12828	Power supply B081 error	During bootup and during routine processing, it is detected that the "B081" fuse (F8) on the DRV17A board is blown.	☞ {MT:9.}
12829	Power supply B091 error	During bootup and during routine processing, it is detected that the "B091" fuse (F9) on the DRV17A board is blown.	☞ {MT:9.}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12830	Power supply B101 error	During bootup and during routine processing, it is detected that the "B101" fuse (F10) on the DRV17A board is blown.	☞ {MT:9.}
12831	Power supply B111 error	During bootup and during routine processing, it is detected that the "B111" fuse (F11) on the DRV17A board is blown.	☞ {MT:9.}
12832	Power supply B121 error	During bootup and during routine processing, it is detected that the "B121" fuse (F12) on the DRV17A board is blown.	☞ {MT:9.}
12833	Power supply B131 error	During bootup and during routine processing, it is detected that the "B131" fuse (F13) on the DRV17A board is blown.	☞ {MT:9.}
12834	Power supply B141 error	During bootup and during routine processing, it is detected that the "B141" fuse (F14) on the DRV17A board is blown.	☞ {MT:9.}
12835	Power supply B151 error	During bootup and during routine processing, it is detected that the "B151" fuse (F15) on the DRV17A board is blown.	☞ {MT:9.}
12840	Power supply B series detection error (1)	During bootup and during routine processing, even though it is detected that the voltage of the DRV17A-related +24V power supply is not outputted, the output is detected at either of the detection points of "B011" through "B151".	☞ {MT:9.}
12841	Power supply B error 2	During bootup and during routine processing, it is detected that the voltage of the DRV17B-related +24V power supply is not outputted.	☞ {MT:9.}
12842	Power supply B161 error	During bootup and during routine processing, it is detected that the "B161" fuse (F1) on the DRV17B board is blown.	☞ {MT:9.}
12843	Power supply B171 error	During bootup and during routine processing, it is detected that the "B171" fuse (F2) on the DRV17B board is blown.	☞ {MT:9.}
12844	Power supply B181 error	During bootup and during routine processing, it is detected that the "B181" fuse (F3) on the DRV17B board is blown.	☞ {MT:9.}
12845	Power supply B191 error	During bootup and during routine processing, it is detected that the "B191" fuse (F4) on the DRV17B board is blown.	☞ {MT:9.}
12846	Power supply B201 error	During bootup and during routine processing, it is detected that the "B201" fuse (F5) on the DRV17B board is blown.	☞ {MT:9.}
12847	Power supply B211 error	During bootup and during routine processing, it is detected that the "B211" fuse (F6) on the DRV17B board is blown.	☞ {MT:9.}
12848	Power supply B221 error	During bootup and during routine processing, it is detected that the "B221" fuse (F7) on the DRV17B board is blown.	☞ {MT:9.}
12849	Power supply B231 error	During bootup and during routine processing, it is detected that the "B231" fuse (F8) on the DRV17B board is blown.	☞ {MT:9.}
12850	Power supply B241 error	During bootup and during routine processing, it is detected that the "B241" fuse (F9) on the DRV17B board is blown.	☞ {MT:9.}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12851	Power supply B251 error	During bootup and during routine processing, it is detected that the "B251" fuse (F10) on the DRV17B board is blown.	☞ {MT:9.}
12852	Power supply B261 error	During bootup and during routine processing, it is detected that the "B261" fuse (F11) on the DRV17B board is blown.	☞ {MT:9.}
12853	Power supply B281 error	During bootup and during routine processing, it is detected that the "B281" fuse (F12) on the DRV17B board is blown.	☞ {MT:9.}
12854	Power supply B series detection error (2)	During bootup and during routine processing, even though it is detected that the voltage of the DRV17B-related +24V power supply is not outputted, the output is detected at either of the detection points of "B161" through "B281".	☞ {MT:9.}
12860	Power supply C error 1	During bootup and during routine processing, it is detected that the voltage of the DRV17A-related +5V power supply is not outputted.	☞ {MT:9.}
12861	Power supply C error 2	During bootup and during routine processing, it is detected that the voltage of the DRV17B-related +5V power supply is not outputted.	☞ {MT:9.}
12862	Power supply D error	During bootup and during routine processing, it is detected that the voltage of +15V (D) power supply is not ouput.	☞ {MT:9.}
12863	Power supply D021 error	During bootup and during routine processing, it is detected that the "D021" fuse (F19) on the DRV17A board is blown.	☞ {MT:9.}
12864	Power supply D series detection error	During bootup and during routine processing, even though it is detected that the voltage of +15V (D) power supply is not output, the output is detected at a detection point of “D021” on the DRV17A board.	☞ {MT:9.}
12871	Power supply G011 error	During bootup and during routine processing, it is detected that the "G011" fuse (F3) on the SCN17A/SCT17B board is blown.	☞ {MT:9.}
12872	Power supply G021 error	During bootup and during routine processing, it is detected that the "G021" fuse (F4) on the SCN17A/SCT17B board is blown.	☞ {MT:9.}
12873	Power supply G031 error	During bootup and during routine processing, it is detected that the "G031" fuse (F8) on the SCN17A/SCT17B board is blown.	☞ {MT:9.}
12881	Power supply H011 error	During bootup and during routine processing, it is detected that the "H011" fuse (F2) on the SCN17A/SCT17B board is blown.	☞ {MT:9.}
12886	Power supply J011 error	During bootup and during routine processing, it is detected that the "J011" fuse (F6) on the SCN17A/SCT17B board is blown.	☞ {MT:9.}

Error Code	Error Name	Occurrence Condition	Analysis Flow
12874	Power supply G041 error	During bootup and during routine processing, it is detected that the "G041" fuse (F1) on the SCN17A/SCT17B board is blown.	☞ {MT:9.}
12875	Power supply G051 error	During bootup and during routine processing, it is detected that the "G051" fuse (F7) on the SCN17A/SCT17B board is blown.	☞ {MT:9.}
12881	SCN17A/SCT17B board fuse (F2) error	During bootup and during routine processing, it is detected that the “H011” fuse (F2) on the SCN17A/SCT17B board is blown.	☞ {MT:9.}
13032	Touch panel calibration file load log	<Service> - Because the touch panel is not calibrated after replacement of the IMG board and LCD panel, the file cannot be loaded. - During bootup, the touch panel calibration file cannot be loaded from the FLASH ROM to the SD RAM. - File loading could not be accomplished because no touch panel correction was provided after the RU application restoration procedure was performed.	-
13034	UI debug information	Unlikely error condition associated with the RU software occurs.	-
13035	initialization from the warm-up screen in mobile type equipment	While the use of mobile-type equipment was selected for configuration setup, the user pressed the “immediate start” key from the “warm-up” screen, which appeared at startup, to complete startup with the warm-up time reduced.	-
13036	Timer value changed from the warm-up screen in mobile type equipment	While the use of mobile-type equipment was selected for configuration setup, the user performed a timer value change procedure from the “warm-up” screen, which appeared at startup.	-
13200	High-voltage OFF during bootup	During bootup, the photomultiplier (PMT17A/PMR17B board) high voltage is OFF.	-
13210	Polygon timeout	During bootup and routine processing, the polygon OK signal is not detected within 7 seconds after turn-ON of the polygonal mirror.	-
13227	Reading IP size error	The IP of the size other than the input size is inserted for shading correction of the M-Utility, so that error is detected.	-
13228	SHD/POLYGON correction data error	- The correction is performed with the cleared portion due to image format displacement or with the image other than FLAT. The shading correction should be performed again. - During shading correction of the Maintenance Utility, error is detected for the correction calculation.	-
13229	HVCNT value error	During M-Utility operation, an out-of-spec HV is inputted.	-
13240	Start-point mask signal warning	- During bootup or during routine processing, the start-point mask signal issued from the SCN17A/SCT17B board varies by 0.02%, peak to peak. - During bootup or during routine processing, the detection of 12241 error is done with 2% variations.	-

Error Code	Error Name	Occurrence Condition	Analysis Flow
13260	Main-scan interval warning	During bootup or during routine processing, the range of variations in the main-scan interval is beyond the upper or lower limit of the error decision value parameter. <User operation> When vibration is applied to the machine from the outside while the adjuster bolt is not lowered, the vibration is transmitted to the scanning optics unit and logged. <Action> Check to ensure that the adjuster bolt is lowered.	-
13270	LDIFMAX update	This error occurs when the surrounding temperature around the machine changes drastically. During routine processing checks, it is detected that the LD drive current value varies by more than 5 mA. In order to adjust the insufficient luminosity due to degraded LD (to maintain the same level of luminosity), it is necessary to vary the LD drive current by more than 5 mA. During LDIFMAX update, variations of 5 mA or more are detected.	-
13284	LD monitor value error warning	During routine processing, the difference between MIN and MAX of the laser drive current monitor value is out of specification.	☞ {MT:5.15}
13285	HV command value error warning	During routine processing, error is detected for the HV command value signal sent from the SCN17A/SCT17B board to the PMT17A board. The difference between MIN and MAX of the monitor value relative to the setup value is out of specification.	☞ {MT:5.12}
13286	HV detection value error warning	During routine processing, error is detected for the HV detection value signal of the PMT17A board. The difference between MIN and MAX of the monitor value relative to the setup value is out of specification.	☞ {MT:5.12}
13290	Scanner data format error	When a restore command was executed in the M-Utility to write scanner data from a floppy disk to the IMG board flash ROM, the command did not terminate normally because a scanner data format error was detected.	-
13295	Scanner send/receive retry warning	When control communication was established between the CPU91A board and SCN17A/SCT17B board from the Maintenance Utility during bootup or routine processing, a scanner unit error was detected. Error recovery was achieved by performing a retry operation.	-
13411	Driving-shaft grip velocity correction process operation	When the grip drive motor (MZ2) was driven in the routine processing or M-Utility mode to perform a drive shaft grip operation other than for secondary erasure, the grip speed deviated from normal but remained within the acceptable range. Therefore, the speed was corrected after termination of reading.	☞ {MT:4.15}
13413	Driven-shaft grip release velocity correction process operation	When the grip drive motor (MZ2) was used in the routine processing or M-Utility mode to monitor the speed of a driven shaft grip release operation other than for secondary erasure, the speed deviated from normal but remained within the acceptable range. Therefore, the speed correction process was performed after termination of reading.	☞ {MT:4.15}
13289	Format adjustment data error	In the Maintenance Utility, when format adjustments are performed, out-of-range data is inputted.	-
13520	Detection of communication abortion to CL	During bootup or during routine processing, it is detected that the communication between the CL and the RU is broken.	☞ {MT:14.}

Error Code	Error Name	Occurrence Condition	Analysis Flow
13521	CL communication failure detected	During bootup or during routine processing, because the communication between the CL and RU is broken, the connection is suspended and initialization of communication between the CL and RU is performed again.	-
13530	CL image data receive timeout	The CL was too late receiving the image data sent from the RU, so that the image was retransmitted from the RU. The network is overloaded, or a communication error occurs due to hardware failure of the network, thereby causing frequent retries.	-
13629	Back-side HVCNT value error	During M-Utility operation, an out-of-spec HV is inputted.	-
13640	Back-side start-point mask signal warning	- During bootup and routine processing, the start-point mask signal issued from the SCT12B board varies by 0.02%, peak to peak. - During bootup and routine processing, the detection of 12241 error is done with 2% variations.	-
13660	Back-side main scan interval warning	During bootup or during routine processing, the scope of main-scan interval variations is outside the upper or lower limit of the error determination value parameter. <User operation> When vibration is applied to the machine from the outside while the adjuster bolt is not lowered, the vibration is transmitted to the scanning optics unit and logged. <Action> Check to ensure that the adjuster bolt is lowered.	-
13685	Back-side HV command value error warning	During routine processing, error is detected for the HV command value signal sent from the SCT17B board to the PMR17B board. The difference between MIN and MAX of the monitor value relative to the setup value is out of specification.	☞ {MT:5.13}
13686	Back-side HV detection value error warning	During routine processing, error is detected for the HV detection value signal of the PMR17B board. The difference between MIN and MAX of the monitor value relative to the setup value is out of specification.	☞ {MT:5.13}
13695	Back-side scanner send/receive retry warning	When control communication was established between the CPU17A board and SCT17B board during bootup or routine processing or in the Maintenance Utility, a scanner unit error was detected. Error recovery was achieved by performing a retry operation.	-
13699	Error for back-side scanner, etc.	During bootup and routine processing, a combination of errors that should not have logically occurred were generated.	-
13700	Backup SRAM test error	An error is detected for the backup SRAM test in MUTL: Board Check.	☞ {MT:18.}
13701	SDRAM test error	An error is detected for the SDRAM test in MUTL: Board Check.	☞ {MT:18.}
13702	Checksum error	The data in the flash ROM (IPL or APPL portion) of the RU is corrupted.	☞ {MT:18.}

Error Code	Error Name	Occurrence Condition	Analysis Flow
13703	Flash ROM read/write error	An error is detected for the flash ROM read/write test in MUTL: Board Check.	☞ {MT:18.}
13704	CPU91A interrupt error	An error is detected for the CPU91A interrupt test in MUTL: Board Check.	☞ {MT:18.}
13705	Network register error	An error is detected for the network register check in MUTL: Board Check.	☞ {MT:18.}
13706	SCN17A/SCT17B register test error	An error is detected for the register read/write test of SCN17A/SCT17B in MUTL: Board Check.	☞ {MT:18.}
13707	SCN17A/SCT17B interrupt error	An error is detected for the interrupt test of SCN17A/SCT17B in MUTL: Board Check.	☞ {MT:18.}
13708	SCN17A/SCT17B H8 communication error	An error is detected for the H8 communication test of SCN17A/SCT17B in MUTL: Board Check.	☞ {MT:18.}
13709	SNS17A/B board register error	An error is detected for the SCN17A/SNS17B register test in MUTL: Board Check.	☞ {MT:18.}
13710	Sensor test error	An error is detected for the sensor test in MUTL: Board Check.	☞ {MT:18.}
13711	Panel LED error	An error is detected for the panel LED test in MUTL: Board Check.	☞ {MT:18.}
13712	Solenoid error	An error is detected for the solenoid test in MUTL: Board Check.	☞ {MT:18.}
13713	Pulse motor error	An error is detected for the pulse motor test in MUTL: Board Check.	☞ {MT:18.}
13714	SNS17A/B board interrupt error	An error is detected for the SNS17A/B interrupt in MUTL: Board Check.	☞ {MT:18.}

Error Code	Error Name	Occurrence Condition	Analysis Flow
13715	INV17A/B register error	An error is detected for the register of the INV17A/B board in MUTL: Board Check.	☞ {MT:18.}
13716	Erasure lamp test error	An error is detected for the erasure lamp test in MUTL: Board Check.	☞ {MT:18.}
13717	Image processing CPU SDRAM test error	An error is detected for the SDRAM test of the image processing CPU in MUTL: Board Check.	☞ {MT:18.}
13718	Image processing FIFO test error	An error is detected for the FIFO test of the image processing CPU in MUTL: Board Check.	☞ {MT:18.}
13719	Barcode communication error	An error is detected for the barcode communication test in MUTL: Board Check.	☞ {MT:18.}
13820	Barcode data read test error	An error is detected for the barcode reading test in MUTL: Board Check.	☞ {MT:18.}
13821	Power supply monitoring register error	An error is detected for the power supply monitoring register check in MUTL: Board Check.	☞ {MT:18.}
19066	Insufficient resource for timer device	During bootup or during routine processing, the resource for the timer device becomes insufficient.	☞ {MT:8.}
19067	Insufficient resource for sync processing device	During bootup or during routine processing, the resource for the sync processing device becomes insufficient.	☞ {MT:8.}

◇ *REFERENCE* ◇

The error code table is stored as an access file (.mdb) in the installation CD-ROM of the RU software. The following example shows a path on which the CR-IR 363 error code table is stored when the installation CD-ROM of the RU software V2.4 is inserted into the D drive: D:\FujiFilm\FCR\CR-IR363\2.4\common\TOOL\EcodeMan.mdb.
Refer to the file in the installation CD-ROM when your information in the service manual is of an old version.